

BEFORE SUBMITTING YOUR BID

- 1. Use pen and ink to complete the Bid.**
- 2. Have you signed and completed the Contract Agreement, Offer & Award Forms?**
- 3. As a minimum, the Bidder will submit a Bid Package consisting of the Notice to Contractors, the completed Acknowledgement of Bid Amendments & Submission of Bid Bond Validation Number form, the completed Schedule of Items, 2 copies of the completed Agreement, Offer, & Award form, a Bid Bond or Bid Guarantee, and any other Certifications or Bid Requirements listed in the Bid Book.**
- 4. Have you included prices for all Bid Items? (“Zero is not considered a bid price.”)**
- 5. Have you included a bid guarantee? Acceptable forms are:**
 - A. Bid Bond on the Department’s prescribed form for 5% of the Bid Amount. (Or forms that do not contain any significant variations from the Department’s forms as solely determined by the Department.)**
 - B. Official Bank Check, Cashier’s Check, Certified Check, U.S. Postal Money Order or Negotiable Certificate of Deposit in the amount stated in the Notice to Contractors.**
- 6. If the written Bid is to be sent, Federal Express overnight delivery is suggested as the package is delivered directly to the DOT Headquarters Building in Augusta. Other means, such as U.S. Postal Services’ Express Mail has proven not to be reliable.**

AND FOR FEDERAL AID PROJECTS

- 7. Have you included your DBE Utilization commitment in the proper amounts and signed the DBE Certification?**

If you need further information regarding Bid preparation, call the DOT Contracts Section at (207)624-3410.

For complete specifications regarding bidding requirements, refer to Section 102 of the Maine Department of Transportation, Standard Specifications, Revision December 2002.

NOTICE

The Maine Department of Transportation is attempting to improve the way Bid Amendments/Addendums are handled, and allow for an electronic downloading of bid packages from our website, while continuing to maintain a planholders list.

Prospective bidders, subcontractors or suppliers who wish to download a copy of the bid package and receive a courtesy notification of project specific bid amendments, must provide an email address to Diane Barnes at the MDOT Contracts mailbox at: MDOT.contracts@maine.gov. Each bid package will require a separate request.

Additionally, interested parties will be responsible for reviewing and retrieving the Bid Amendments from our web site, and acknowledging receipt and incorporating those Bid Amendments in their bids using the Acknowledgement of Bid Amendment Form.

The downloading of bid packages from the MDOT website is not the same as providing an electronic bid to the Department. Electronic bids must be submitted via <http://www.BIDX.com>. For information on electronic bidding contract Rebecca Pooler at rebecca.pooler@maine.gov.

NOTICE

For security and other reasons, all Bid Packages which are mailed, shall be provided in double (one envelope inside the other) envelopes. The *Inner Envelope* shall have the following information provided on it:

Bid Enclosed - Do Not Open

PIN:

Town:

Date of Bid Opening:

Name of Contractor with mailing address and telephone number:

In Addition to the usual address information, the *Outer Envelope* should have written or typed on it:

Double Envelope: Bid Enclosed

PIN:

Town:

Date of Bid Opening:

Name of Contractor:

This should not be much of a change for those of you who use Federal Express or similar services.

Hand-carried Bids may be in one envelope as before, and should be marked with the following information:

Bid Enclosed: Do Not Open

PIN:

Town:

Name of Contractor:

STATE OF MAINE DEPARTMENT OF TRANSPORTATION
Bid Guaranty-Bid Bond Form

KNOW ALL MEN BY THESE PRESENTS THAT_____

_____, of the City/Town of _____ and State of _____

as Principal, and _____ as Surety, a

Corporation duly organized under the laws of the State of _____ and having a usual place of

Business in _____ and hereby held and firmly bound unto the Treasurer of

the State of Maine in the sum of _____ for payment which Principal and Surety bind

themselves, their heirs, executors, administrators, successors and assigns, jointly and severally.

The condition of this obligation is that the Principal has submitted to the Maine Department of

Transportation, hereafter Department, a certain bid, attached hereto and incorporated as a

part herein, to enter into a written contract for the construction of _____

_____ and if the Department shall accept said bid

and the Principal shall execute and deliver a contract in the form attached hereto (properly

completed in accordance with said bid) and shall furnish bonds for this faithful performance of

said contract, and for the payment of all persons performing labor or furnishing material in

connection therewith, and shall in all other respects perform the agreement created by the

acceptance of said bid, then this obligation shall be null and void; otherwise it shall remain in full

force, and effect.

Signed and sealed this _____ day of _____ 20____

WITNESS:

WITNESS

PRINCIPAL:

By _____

By: _____

By: _____

SURETY:

By _____

By: _____

Name of Local Agency: _____

NOTICE

Bidders:

Please use the attached “Request for Information” form when faxing questions and comments concerning specific Contracts that have been Advertised for Bid. Include additional numbered pages as required.

REQUEST FOR INFORMATION

Response By:_____ Date: _____

INSTRUCTIONS FOR PREPARING THE CONTRACTOR'S DISADVANTAGED BUSINESS ENTERPRISE UTILIZATION PLAN

The Contractor Shall:

1. Submit a completed Contractor's Disadvantaged Business Enterprise Utilization Plan to the Contract's Engineer by 4:30 P.M. on the Bid day.
2. Extend equal opportunity to MDOT certified DBE firms (as listed in MDOT's DBE Directory of Certified Businesses) in the selection and utilization of Subcontractors and Suppliers.

SPECIFIC INSTRUCTIONS FOR COMPLETING THE FORM:

Insert Contractor name, the name of the person(s) preparing the form, and that person(s) telephone and fax number.

Provide total Bid price, Federal Project Identification Number, and location of the Project work.

In the columns, name each DBE firm to be used, provide the Unit or Item cost of the Work/Product to be provided by the DBE firm, give a brief description of the Work, and the dollar value of the Work.

If no DBE firm is to be utilized, the Contractor must document the reason(s) why no DBE firms are being used. Specific supporting evidence of good faith efforts taken by Contractors to solicit DBE Bidders must be attached. This evidence, as a minimum, includes phone logs, e-mail and/or mail DBE solicitation records, and the documented results of these solicitations.

NOTICE

Disadvantaged Business Enterprise Proposed Utilization

The Apparent Low Bidder must submit the Disadvantaged Business Enterprise Proposed Utilization form by close of Business (4:30 P.M.) on Bid day.

The Contractor's Disadvantaged Business Enterprise Proposed Utilization Plan form contains additional information that is required by USDOT.

The Contractor's Disadvantaged Business Enterprise Proposed Utilization Plan form must be used.

A copy of the new Contractor's Disadvantaged Business Enterprise Proposed Utilization Plan and instructions for completing it are attached.

Note: Questions about DBE firms, or to obtain a printed copy of the DBE Directory, contact Equal Opportunity at (207) 624-3066.

MDOT's DBE Directory of Certified firms can also be obtained at http://www.state.me.us/mdot/humnres/o_equalo/cdwbed_h.htm

CONTRACTOR'S DISADVANTAGED BUSINESS ENTERPRISE PROPOSED UTILIZATION PLAN

Low Bidder shall furnish completed form to Contracts Section by 4:30 P.M. on Bid Opening day.

TO: MDOT Contracts Section
16 State House Station,
Augusta, Me 04333-0016
or
Fax: 207-624-3431

Contractor: _____

Prepared by: _____

Telephone: _____ Fax: _____

BID PRICE: \$ _____ FEDERAL PROJECT # _____ LOCATION: _____

TOTAL DBE PARTICIPATION AS A PERCENT OF TOTAL BID PRICE = _____ %

DBE Firm*	Unit/Item Cost	Unit #	Description of work & Item Number	Actual \$ Value
Total >				

If no DBE firm(s) are used, bidder must document efforts made to secure DBE participation and attach supporting evidence of this effort:

_____.

Examples: Bidder relies wholly upon low quote subcontractor section, DBE firm(s) were not low quote. No DBE firms bid.

*Only DBE firms certified by MDOT prior to bidding can be utilized by Contractor for DBE credit.
Directory of certified DBEs is available on MDOT's website: www.state.me.us/mdot

Equal Opportunity Use:

Plan received ____/____/____ Verified by: _____ Action: _____



Office of Human Resources

Equal Opportunity

MAINE DEPARTMENT OF TRANSPORTATION

Certified Disadvantaged and Women Business Enterprise

DBE DIRECTORY - MINORITY OWNED

WBE DIRECTORY - WOMEN OWNED

WEBSITE FOR DIRECTORY CAN BE FOUND AT:

http://www.state.me.us/mdot/humnres/o_equalo/cdwbed_h.htm

It is the responsibility of the Contractor to access the DBE Directory at this site in order to have the most current listings.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION NOTICE TO CONTRACTORS

Sealed Bids addressed to the Maine Department of Transportation, Augusta, Maine 04333 and endorsed on the wrapper "Bid for the Hot Mix Asphalt Overlay, Sewer Replacement, Drainage and Guardrail Improvements in the towns of **Bar Harbor and Mt Desert**" will be received from contractors at the Reception Desk, Maine DOT Building, Child Street, Augusta, Maine, until 11:00 o'clock A.M. (prevailing time) on **March 17, 2004**, and at that time and place publicly opened and read. Bids will be accepted from contractors prequalified by the Department of Transportation for highway construction and paving projects. All other Bids may be rejected. **MDOT provides the option of electronic bidding. We accept electronic bids for those bid packages posted on the bidx.com website. Electronic bids do not have to be accompanied by paper bids. Please note: the Department will accept a facsimile of the bid bond; however, the original bid bond must then be received at the MDOT Contract Section within 72 hours of the bid opening.** Until further notice, dual bids (one paper, one electronic) will be accepted, with the paper copy taking precedence.

Description: Maine Federal Aid Project No. PLHD-9814(00)X, PIN 9814.00; STP-1116(800)X, PIN 11168.00; STP-1126(500)X, PIN 11265.00; STP-1126(800)X, PIN 11268.00

Location: In Hancock County, project PLHD-9814(00)X is located in Mt Desert on Route 3/198, beginning at the intersection of Route 3 and Route 198 and extending northerly 1.02 miles. STP-1116(800)X is Intersection Reconstruction at the intersection of Main Street (Route 3), West Street and West Street Extension in Bar Harbor. STP-1126(500)X is located in Bar Harbor on Main Street (Route 3), beginning at Park Street and extending easterly 1.68 miles. STP-1126(800)X is located in Mt Desert on Route 3/198, beginning 0.83 of a mile northerly of the intersection of Route 3 and Route 198 and extending northerly 1.09 miles.

Outline of Work: Hot Mix Asphalt Overlay, Sewer Replacement, Drainage, Guardrail Improvements and other incidental work.

The basis of award will be Section 1

For general information regarding Bidding and Contracting procedures, contact Scott Bickford at (207)624-3410. Our webpage at <http://www.state.me.us/mdot/project/design/homepg.htm> contains a copy of the schedule of items, Plan Holders List, written portions of bid amendments (not drawings), and bid results. For Project-specific information fax all questions to **James Andrews** at (207)624-3401. Questions received after 12:00 noon of Monday prior to bid date will not be answered. Bidders shall not contact any other Departmental staff for clarification of Contract provisions, and the Department will not be responsible for any interpretations so obtained. Hearing impaired persons may call the Telecommunication Device for the Deaf at (207)287-3392.

Specifications and bid forms may be seen at the Maine DOT Building in Augusta, Maine and at the Department of Transportation's Division Office in Ellsworth. They may be purchased from the Department between the hours of 8:00 a.m. to 4:30 p.m. by cash, credit card (Visa/Mastercard) or check payable to Treasurer, State of Maine sent to Maine Department of Transportation, Attn: Mailroom, 16 State House Station, Augusta, Maine 04333-0016. They also may be purchased by telephone at (207)624-3536 between the hours of 8:00 a.m. to 4:30 p.m. Bid Book \$10 (\$13 by mail), Single Sheets \$2, payment in advance, all non-refundable.

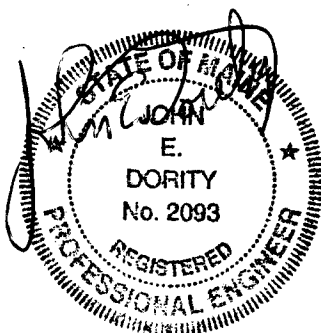
Each Bid must be made upon blank forms provided by the Department and must be accompanied by a bid bond at 5% of the bid amount or an official bank check, cashier's check, certified check, certificate of deposit, or United States postal money order in the amount of \$40,000 payable to Treasurer, State of Maine as a Bid guarantee. A Contract Performance Surety Bond and a Contract Payment Surety Bond, each in the amount of 100 percent of the Contract price, will be required of the successful Bidder.

This Contract is subject to all applicable Federal Laws. This contract is subject to compliance with the Disadvantaged Business Enterprise program requirements as set forth by the Maine Department of Transportation.

All work shall be governed by "State of Maine, Department of Transportation, Standard Specifications, Revision of December 2002", price \$10 [\$13 by mail], and Standard Details, Revision of December 2002, price \$20 [\$25 by mail] Standard Detail updates can be found at <http://www.state.me.us/mdot/project/design/homepg.htm>

The right is hereby reserved to the MDOT to reject any or all Bids.

Augusta, Maine
March 3, 2004



JOHN E. DORITY
CHIEF ENGINEER

9814.00, 11168.00
11265.00, 11268.00
October 29, 2003
Supercedes June 26, 2003

SPECIAL PROVISION 102.7.3
ACKNOWLEDGMENT OF BID AMENDMENTS
&
SUBMISSION OF BID BOND VALIDATION NUMBER (IF APPLICABLE)

With this form, the Bidder acknowledges its responsibility to check for all Amendments to the Bid Package. For each Project under Advertisement, Amendments are located at <http://www.state.me.us/mdot/comprehensive-list-projects/project-information.php>. It is the responsibility of the Bidder to determine if there are Amendments to the Project, to download them, and to incorporate them into their Bid Package. The Maine DOT will not post Bid Amendments any later than noon the day before Bid opening.

Amendment Number	Date

The Contractor, for itself, its successors and assigns, hereby acknowledges that it has received all of the above referenced Amendments to the Bid Package. Failure to acknowledge receipt of all Amendments to the Bid Package will be considered a Non-curable Bid Defect in accordance with Section 102.11.1 of the Standard Specifications, Revision of December 2002.

CONTRACTOR

Date

Signature of authorized representative

(Name and Title Printed)

Bid Bond Validation Number _____
(Applicable to annual bid bonds or electronic bid bonds.)

MAINE DEPARTMENT OF TRANSPORTATION

BID

DATE OF OPENING :

CALL ORDER :

CONTRACT ID : 009814.00

PROJECTS

PLHD-9814(00)X

STP-1116(800)X

STP-1126(500)X

STP-1126(800)X

COUNTY : HANCOCK

MAINE DEPARTMENT OF TRANSPORTATION

PAGE: 1

SCHEDULE OF ITEMS

DATE: 040227

REVISED:

CONTRACT ID: 009814.00

PROJECT(S): PLHD-9814(00)X
 STP-1116(800)X
 STP-1126(500)X
 STP-1126(800)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS CTS	BID AMOUNT DOLLARS CTS
SECTION 0001 HIGHWAY ITEMS				
0010	201.12 SELECTIVE CLEARING AND THINNING	0.050 AC		
0020	201.23 REMOVING SINGLE TREE TOP ONLY	13.000 EA		
0030	201.24 REMOVING STUMP	14.000 EA		
0040	202.111 REMOVING OF CONCRETE SIDEWALK	114.000 SY		
0050	202.127 REMOVE EXISTING BITUMINOUS PAVEMENT	LUMP	LUMP	
0060	202.15 REMOVING MANHOLE OR CATCH BASIN	3.000 EA		
0070	202.203 PAVEMENT BUTT JOINTS	1140.000 SY		
0080	203.21 ROCK EXCAVATION	150.000 CY		
0090	204.41 REHABILITATION OF EXISTING SHOULDERS, PLAN QUANTITY	1928.000 SY		

MAINE DEPARTMENT OF TRANSPORTATION

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SCHEDULE OF ITEMS

DATE: 040227

REVISED:

CONTRACT ID: 009814.00

PROJECT(S): PLHD-9814(00)X
 STP-1116(800)X
 STP-1126(500)X
 STP-1126(800)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE ----- DOLLARS CTS		BID AMOUNT ----- DOLLARS CTS	
0100	206.0619 STRUCTURAL ROCK EXCAVATION - DRAINAGE AND MINOR STRUCTURES - BELOW GRADE	 33.500 CY				
0110	211.20 INSLOPE EXCAVATION	 2496.000 LF				
0120	211.30 DITCH EXCAVATION	 1378.000 LF				
0130	211.41 NEW DITCH EXCAVATION - LEDGE	 457.000 LF				
0140	304.103 AGGREGATE SUBBASE - GRAVEL (TRUCK MEASURE)	 1513.000 CY				
0150	304.104 AGGREGATE SUBBASE COURSE (PLAN QUANTITY)	 2777.000 CY				
0160	403.209 HOT MIX ASPHALT 9.5 MM HMA (SIDEWALKS, DRIVES, INCIDENT ALS)	 161.000 T				
0170	403.210 HOT MIX ASPHALT 9.5 MM HMA	 5306.000 T				
0180	403.211 HOT MIX ASPHALT (SHIMMING)	 2089.000 T				
0190	403.213 HOT MIX ASPHALT 12.5 MM HMA BASE	 996.000 T				

MAINE DEPARTMENT OF TRANSPORTATION

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SCHEDULE OF ITEMS

DATE: 040227

REVISED:

CONTRACT ID: 009814.00

PROJECT(S): PLHD-9814(00)X
 STP-1116(800)X
 STP-1126(500)X
 STP-1126(800)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE ----- DOLLARS CTS		BID AMOUNT ----- DOLLARS CTS	
0200	409.15 BITUMINOUS TACK COAT APPLIED	6676.000 G				
0210	603.15 12 INCH CULVERT PIPE OPTION I	48.000 LF				
0220	603.159 12 INCH CULVERT PIPE OPTION III	54.000 LF				
0230	603.16 15 INCH CULVERT PIPE OPTION I	62.000 LF				
0240	603.165 15 INCH REINFORCED CONCRETE PIPE CLASS III	71.000 LF				
0250	603.171 18 INCH CORRUGATED METAL PIPE	10.000 LF				
0260	603.179 18 INCH CULVERT PIPE OPTION III	231.000 LF				
0270	603.199 24 INCH CULVERT PIPE OPTION III	80.000 LF				
0280	604.072 CATCH BASIN TYPE A1-C	6.000 EA				
0290	604.092 CATCH BASIN TYPE B1-C	3.000 EA				

MAINE DEPARTMENT OF TRANSPORTATION

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SCHEDULE OF ITEMS

DATE: 040227

REVISED:

CONTRACT ID: 009814.00

PROJECT(S): PLHD-9814(00)X
 STP-1116(800)X
 STP-1126(500)X
 STP-1126(800)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE ----- DOLLARS CTS		BID AMOUNT ----- DOLLARS CTS	
0300	604.167 ALTER CATCH BASIN GRATE TO CASCADE	1.000 EA				
0310	604.18 ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	19.000 EA				
0320	604.245 CATCH BASIN TYPE F4-C	1.000 EA				
0330	605.09 6 INCH UNDERDRAIN TYPE B	1196.000 LF				
0340	605.12 15 INCH UNDERDRAIN TYPE C	1623.000 LF				
0350	606.151 GUARDRAIL TYPE 3AA - SINGLE RAIL	50.000 LF				
0360	606.191 GUARDRAIL TYPE 3AA - 15 FOOT RADIUS AND LESS	12.000 LF				
0370	606.201 GUARDRAIL TYPE 3AA - OVER 15 FOOT RADIUS	12.500 LF				
0380	606.35 GUARDRAIL DELINEATOR POST	21.000 EA				
0390	606.754 WIDEN SHOULDER FOR GUARDRAIL 350 FLARED TERMINAL	3.000 EA				

MAINE DEPARTMENT OF TRANSPORTATION

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SCHEDULE OF ITEMS

DATE: 040227

REVISED:

CONTRACT ID: 009814.00

PROJECT(S): PLHD-9814(00)X
 STP-1116(800)X
 STP-1126(500)X
 STP-1126(800)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0400	606.7911 GUARDRAIL TYPE 3AA - 350 FLARED TERMINAL	6.000 EA				
0410	608.08 REINFORCED CONCRETE SIDEWALK	134.000 SY				
0420	608.253 MASONRY PAVER WITH TRUNCATED DOME	24.000 SF				
0430	609.11 VERTICAL CURB TYPE 1	2577.000 LF				
0440	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	60.000 LF				
0450	609.234 TERMINAL CURB TYPE 1 - 4 FOOT	12.000 EA				
0460	609.237 TERMINAL CURB TYPE 1 - 7 FOOT	4.000 EA				
0470	609.31 CURB TYPE 3	6333.000 LF				
0480	609.34 CURB TYPE 5	182.000 LF				
0490	609.38 RESET CURB TYPE 1	347.000 LF				

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SCHEDULE OF ITEMS

DATE: 040227

REVISED:

CONTRACT ID: 009814.00

PROJECT(S): PLHD-9814(00)X
 STP-1116(800)X
 STP-1126(500)X
 STP-1126(800)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0500	609.40 RESET CURB TYPE 5	565.000				
	LF					
0510	609.50 CONCRETE BASE FOR CURBING	3060.000				
	LF					
0520	610.08 PLAIN RIPRAP	58.000				
	CY					
0530	610.18 STONE DITCH PROTECTION	129.500				
	CY					
0540	613.319 EROSION CONTROL BLANKET	612.000				
	SY					
0550	615.07 LOAM	28.000				
	CY					
0560	618.1301 SEEDING METHOD NUMBER 1 - PLAN QUANTITY	5.000				
	UN					
0570	618.1401 SEEDING METHOD NUMBER 2 - PLAN QUANTITY	73.000				
	UN					
0580	619.1201 MULCH - PLAN QUANTITY	78.000				
	UN					
0590	620.58 EROSION CONTROL GEOTEXTILE	458.000				
	SY					

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SCHEDULE OF ITEMS

DATE: 040227

REVISED:

CONTRACT ID: 009814.00

PROJECT(S): PLHD-9814(00)X
 STP-1116(800)X
 STP-1126(500)X
 STP-1126(800)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS CTS	BID AMOUNT DOLLARS CTS
0600	627.76 TEMPORARY PVMT. MARK LINE, W OR YELLOW	LUMP	LUMP	
0610	629.05 HAND LABOR, STRAIGHT TIME	70.000 HR		
0620	631.12 ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	100.000 HR		
0630	631.172 TRUCK - LARGE (INCLUDING OPERATOR)	180.000 HR		
0640	631.18 CHAIN SAW RENTAL (INCLUDING OPERATOR)	45.000 HR		
0650	631.32 CULVERT CLEANER (INCLUDING OPERATOR)	10.000 HR		
0660	639.19 FIELD OFFICE TYPE B	1.000 EA		
0670	652.38 FLAGGER	3540.000 HR		
0680	652.39 WORK ZONE TRAFFIC CONTROL	LUMP	LUMP	
0690	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP	

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SCHEDULE OF ITEMS

DATE: 040227

REVISED:

CONTRACT ID: 009814.00

PROJECT(S): PLHD-9814(00)X
 STP-1116(800)X
 STP-1126(500)X
 STP-1126(800)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE ----- DOLLARS CTS		BID AMOUNT ----- DOLLARS CTS	
0700	659.10 MOBILIZATION	LUMP	LUMP			
	SECTION 0001 TOTAL					.

SECTION 0002 SANITARY ITEMS

0710	661.14 INSULATION	150.000	LF			
0720	801.16 6 INCH PVC SANITARY SEWER (SDR-35)	150.000	LF			
0730	802.16 4 FOOT DIAMETER PRECAST SEWER MANHOLES	1.000	EA			
	SECTION 0002 TOTAL					.

SECTION 0003 SANITARY ITEMS

0740	801.18 12 INCH PVC SANITARY SEWER (SDR-35)	1083.000	LF			
0750	802.16 4 FOOT DIAMETER PRECAST SEWER MANHOLES	6.800	EA			
0760	803.135 6 INCH SERVICE LEADS	28.000	LF			

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DATE: 040227

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 009814.00

PROJECT(S): PLHD-9814(00)X
STP-1116(800)X
STP-1126(500)X
STP-1126(800)X

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0770	890.01 SPECIAL WORK #1	LUMP	LUMP			
	SECTION 0003 TOTAL					
	TOTAL BID					

CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

_____ a corporation or other legal entity organized under the laws of the State of Maine, with its principal place of business located at _____

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

A. The Work.

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, **PLHD-9814(00)X, PIN 9814.00; STP-1116(800)X, PIN 11168.00; STP-1126(500)X, PIN 11265.00; STP-1126(800)X, PIN 11268.00, for the Hot Mix Asphalt Overlay, Sewer Replacement, Drainage and Guardrail Improvements in the towns of Bar Harbor, Mt Desert, Tremont and Southwest Harbor, County of Hancock, Maine.** The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

B. Time.

The Contractor agrees to complete all Work, except warranty work, on or before **June 26, 2004.** Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, Revision of December 2002.

C. Price.

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is

Section 0001 \$ _____

Section 0002 \$ _____

Section 0003 \$ _____

Performance Bond and Payment Bond each being 100% of the amount awarded under this Contract (see award amount in Section G below).

D. Contract.

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, Standard Specifications, Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

E. Certifications.

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in Appendix A to Division 100 of the Standard Specifications Revision of December 2002 (Federal Contract Provisions Supplement), and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

F. Offer.

The undersigned, having carefully examined the site of work, the Plans, Standard Specifications Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of: **PLHD-9814(00)X, PIN 9814.00; STP-1116(800)X, PIN 11168.00; STP-1126(500)X, PIN 11265.00; STP-1126(800)X, PIN 11268.00, for the Hot Mix Asphalt Overlay, Sewer Replacement, Drainage and Guardrail Improvements in the towns of Bar Harbor, Mt Desert, Tremont and Southwest Harbor, County of Hancock, State of Maine**, on which bids will be received until the time specified in the "Notice to Contractors" do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached "Schedule of Items".

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached "Schedule of Items" in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached "Schedule of Items", which may be ordered by the Resident, and to accept as full compensation the amount determined upon a "Force Account" basis as provided in the Standard Specifications, Revision of December 2002, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier's check, certificate of deposit or U. S. Postal Money Order in the amount given in the "Notice to Contractors", payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work on the date specified in the Engineer's "Notice to Commence Work" as stated in Section 107.2 of the Standard Specifications Revision of December 2002 and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and

submit a completed Contractor's Disadvantaged Business Enterprise Utilization Plan by 4:30pm on the day of bid opening to the Contracts Engineer.

Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

Date

(Signature of Legally Authorized Representative
of the Contractor)

Witness

(Name and Title Printed)

G. Award.

Your offer is hereby accepted for (see checked boxes):

Section 0001 ☐

Section 0002 ☐

Section 0003 ☐

Contract Amount: _____

This award consummates the Contract, and the documents referenced herein.

MAINE DEPARTMENT OF TRANSPORTATION

Date

By: David A. Cole, Commissioner

Witness

CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at Child Street Augusta, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and

_____ a corporation or other legal entity organized under the laws of the State of Maine, with its principal place of business located at _____

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

A. The Work.

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, **PLHD-9814(00)X, PIN 9814.00; STP-1116(800)X, PIN 11168.00; STP-1126(500)X, PIN 11265.00; STP-1126(800)X, PIN 11268.00, for the Hot Mix Asphalt Overlay, Sewer Replacement, Drainage and Guardrail Improvements in the towns of Bar Harbor, Mt Desert, Tremont and Southwest Harbor, County of Hancock, Maine.** The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

B. Time.

The Contractor agrees to complete all Work, except warranty work, on or before **June 26, 2004.** Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, Revision of December 2002.

C. Price.

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is

Section 0001 \$ _____

Section 0002 \$ _____

Section 0003 \$ _____

Performance Bond and Payment Bond each being 100% of the amount awarded under this Contract (see award amount in Section G below).

D. Contract.

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, Standard Specifications, Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

E. Certifications.

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in Appendix A to Division 100 of the Standard Specifications Revision of December 2002 (Federal Contract Provisions Supplement), and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

F. Offer.

The undersigned, having carefully examined the site of work, the Plans, Standard Specifications Revision of December 2002, Standard Details Revision of December 2002 as updated through advertisement, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of: **PLHD-9814(00)X, PIN 9814.00; STP-1116(800)X, PIN 11168.00; STP-1126(500)X, PIN 11265.00; STP-1126(800)X, PIN 11268.00, for the Hot Mix Asphalt Overlay, Sewer Replacement, Drainage and Guardrail Improvements in the towns of Bar Harbor, Mt Desert, Tremont and Southwest Harbor, County of Hancock, State of Maine**, on which bids will be received until the time specified in the "Notice to Contractors" do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached "Schedule of Items".

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached "Schedule of Items" in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached "Schedule of Items", which may be ordered by the Resident, and to accept as full compensation the amount determined upon a "Force Account" basis as provided in the Standard Specifications, Revision of December 2002, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier's check, certificate of deposit or U. S. Postal Money Order in the amount given in the "Notice to Contractors", payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work on the date specified in the Engineer's "Notice to Commence Work" as stated in Section 107.2 of the Standard Specifications Revision of December 2002 and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and

submit a completed Contractor's Disadvantaged Business Enterprise Utilization Plan by 4:30pm on the day of bid opening to the Contracts Engineer.

Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents.

CONTRACTOR

Date

(Signature of Legally Authorized Representative
of the Contractor)

Witness

(Name and Title Printed)

G. Award.

Your offer is hereby accepted for (see checked boxes):

Section 0001 ☐

Section 0002 ☐

Section 0003 ☐

Contract Amount: _____

This award consummates the Contract, and the documents referenced herein.

MAINE DEPARTMENT OF TRANSPORTATION

Date

By: David A. Cole, Commissioner

Witness

CONTRACT AGREEMENT, OFFER & AWARD

AGREEMENT made on the date last signed below, by and between the State of Maine, acting through and by its Department of Transportation (Department), an agency of state government with its principal administrative offices located at 1705 U.S. Route 202, Winthrop, Maine, with a mailing address at 16 State House Station, Augusta, Maine 04333-0016, and (Name of the firm bidding the job) a corporation or other legal entity organized under the laws of the State of Maine, with its principal place of business located at (address of the firm bidding the job)

The Department and the Contractor, in consideration of the mutual promises set forth in this Agreement (the "Contract"), hereby agree as follows:

A. The Work.

The Contractor agrees to complete all Work as specified or indicated in the Contract including Extra Work in conformity with the Contract, PIN No. 1224.00

for the Hot Mix Asphalt Overlay in the town/city of West Eastport, County of Washington, Maine. The Work includes construction, maintenance during construction, warranty as provided in the Contract, and other incidental work.

The Contractor shall be responsible for furnishing all supervision, labor, equipment, tools supplies, permanent materials and temporary materials required to perform the Work including construction quality control including inspection, testing and documentation, all required documentation at the conclusion of the project, warranting its work and performing all other work indicated in the Contract.

The Department shall have the right to alter the nature and extent of the Work as provided in the Contract; payment to be made as provided in the same.

B. Time.

The Contractor agrees to complete all Work, except warranty work, on or before November 15, 2003. Further, the Department may deduct from moneys otherwise due the Contractor, not as a penalty, but as Liquidated Damages in accordance with Sections 107.7 and 107.8 of the State of Maine Department of Transportation Standard Specifications, Revision of December 2002.

C. Price.

The quantities given in the Schedule of Items of the Bid Package will be used as the basis for determining the original Contract amount and for determining the amounts of the required Performance Surety Bond and Payment Surety Bond, and that the amount of this offer is (Place bid here in alphabetical form such as One Hundred and Two dollars and 10 cents)
\$ (repeat bid here in numerical terms, such as \$102.10) Performance Bond and Payment Bond each being 100% of the amount of this Contract.

D. Contract.

This Contract, which may be amended, modified, or supplemented in writing only, consists of the Contract documents as defined in the Plans, Standard Specifications, Revision of December 2002, Standard Details Revision of December 2002, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds. It is agreed and understood that this Contract will be governed by the documents listed above.

E. Certifications.

By signing below, the Contractor hereby certifies that to the best of the Contractor's knowledge and belief:

1. All of the statements, representations, covenants, and/or certifications required or set forth in the Bid and the Bid Documents, including those in Appendix A to Division 100 of the Standard Specifications Revision of December 2002 (Federal Contract Provisions Supplement), and the Contract are still complete and accurate as of the date of this Agreement.
2. The Contractor knows of no legal, contractual, or financial impediment to entering into this Contract.
3. The person signing below is legally authorized by the Contractor to sign this Contract on behalf of the Contractor and to legally bind the Contractor to the terms of the Contract.

F. Offer.

The undersigned, having carefully examined the site of work, the Plans, Standard Specifications, Revision of December 2002, Standard Details Revision of December 2002, Supplemental Specifications, Special Provisions, Contract Agreement; and Contract Bonds contained herein for construction of:

PIN 1234.00 West Eastport, Hot Mix Asphalt Overlay

State of Maine, on which bids will be received until the time specified in the "Notice to Contractors" do(es) hereby bid and offer to enter into this contract to supply all the materials, tools, equipment and labor to construct the whole of the Work in strict accordance with the terms and conditions of this Contract at the unit prices in the attached "Schedule of Items".

The Offeror agrees to perform the work required at the price specified above and in accordance with the bids provided in the attached "Schedule of Items" in strict accordance with the terms of this solicitation, and to provide the appropriate insurance and bonds if this offer is accepted by the Government in writing.

As Offeror also agrees:

First: To do any extra work, not covered by the attached "Schedule of Items", which may be ordered by the Resident, and to accept as full compensation the amount determined upon a "Force Account" basis as provided in the Standard Specifications, Revision of December 2002, and as addressed in the contract documents.

Second: That the bid bond at 5% of the bid amount or the official bank check, cashier's check, certificate of deposit or U. S. Postal Money Order in the amount given in the "Notice to Contractors", payable to the Treasurer of the State of Maine and accompanying this bid, shall be forfeited, as liquidated damages, if in case this bid is accepted, and the undersigned shall fail to abide by the terms and conditions of the offer and fail to furnish satisfactory insurance and Contract bonds under the conditions stipulated in the Specifications within 15 days of notice of intent to award the contract.

Third: To begin the Work on the date specified in the Engineer's "Notice to Commence Work" as stated in Section 107.2 of the Standard Specifications Revision of 2002 and complete the Work within the time limits given in the Special Provisions of this Contract.

Fourth: The Contractor will be bound to the Disadvantaged Business Enterprise (DBE) Requirements contained in the attached Notice (Additional Instructions to Bidders) and submit a completed Contractor's Disadvantaged Business Enterprise Utilization Plan by 4:30pm on the day of bid opening to the Contracts Engineer.

Fifth: That this offer shall remain open for 30 calendar days after the date of opening of bids.

Sixth: The Bidder hereby certifies, to the best of its knowledge and belief that: the Bidder has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of competitive bidding in connection with its bid, and its subsequent contract with the Department.

IN WITNESS WHEREOF, the Contractor, for itself, its successors and assigns, hereby execute two duplicate originals of this Agreement and thereby binds itself to all covenants, terms, and obligations contained in the Contract Documents

CONTRACTOR
(Sign Here)

(Signature of Legally Authorized Representative
of the Contractor)

(Print Name Here)
(Name and Title Printed)

(Witness Sign Here)

Witness

G. Award.

Your offer is hereby accepted.
documents referenced herein.

This award consummates the Contract, and the

MAINE DEPARTMENT OF TRANSPORTATION

Date

By: David A. Cole, Commissioner

(Witness)

BOND # _____

CONTRACT PERFORMANCE BOND
(Surety Company Form)

KNOW ALL MEN BY THESE PRESENTS: That _____
_____ **and the State of** _____, as principal,
and _____,
a corporation duly organized under the laws of the State of _____ and having a
usual place of business _____,
as Surety, are held and firmly bound unto the Treasurer of the State of Maine in the sum
of _____ **and 00/100 Dollars (\$** _____ **)**,
to be paid said Treasurer of the State of Maine or his successors in office, for which
payment well and truly to be made, Principal and Surety bind themselves, their heirs,
executors and administrators, successors and assigns, jointly and severally by these
presents.

The condition of this obligation is such that if the Principal designated as Contractor in
the Contract to construct Project Number _____ in the Municipality of _____
promptly and faithfully performs the Contract, then this
obligation shall be null and void; otherwise it shall remain in full force and effect.

The Surety hereby waives notice of any alteration or extension of time made by the State
of Maine.

Signed and sealed this _____ day of _____, 20_____.

WITNESSES:

SIGNATURES:

CONTRACTOR:

Signature.....

Print Name Legibly

Print Name Legibly

SURETY:

Signature

Print Name Legibly

Print Name Legibly

SURETY ADDRESS:

NAME OF LOCAL AGENCY:

ADDRESS

.....

.....

.....

.....

TELEPHONE.....

.....

BOND # _____

CONTRACT PAYMENT BOND
(Surety Company Form)

KNOW ALL MEN BY THESE PRESENTS: That _____
_____ **and the State of** _____, as principal,
and _____
a corporation duly organized under the laws of the State of _____ and having a
usual place of business in _____,
as Surety, are held and firmly bound unto the Treasurer of the State of Maine for the use
and benefit of claimants as herein below defined, in the sum of
_____ **and 00/100 Dollars (\$** _____ **)**
for the payment whereof Principal and Surety bind themselves, their heirs, executors and
administrators, successors and assigns, jointly and severally by these presents.

The condition of this obligation is such that if the Principal designated as Contractor in
the Contract to construct Project Number _____ in the Municipality of
_____ promptly satisfies all claims and demands incurred for all
labor and material, used or required by him in connection with the work contemplated by
said Contract, and fully reimburses the obligee for all outlay and expense which the
obligee may incur in making good any default of said Principal, then this obligation shall
be null and void; otherwise it shall remain in full force and effect.

A claimant is defined as one having a direct contract with the Principal or with a
Subcontractor of the Principal for labor, material or both, used or reasonably required for
use in the performance of the contract.

Signed and sealed this _____ day of _____, 20 .. .

WITNESS:

SIGNATURES:

CONTRACTOR:

Signature.....

Print Name Legibly

SURETY:

Signature.....

Print Name Legibly

SURETY ADDRESS:

NAME OF LOCAL AGENCY:

ADDRESS

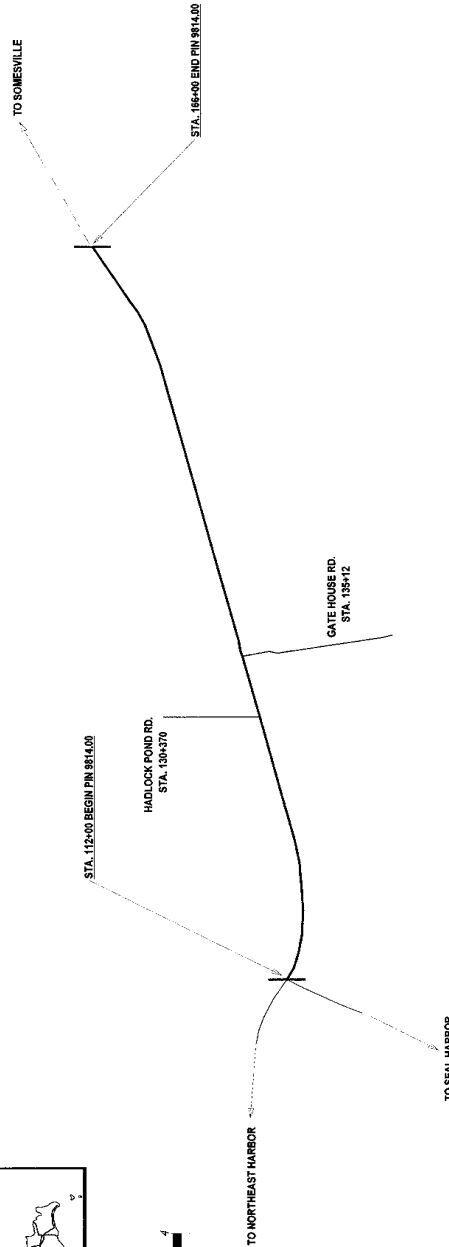
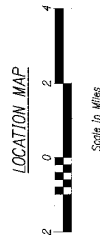
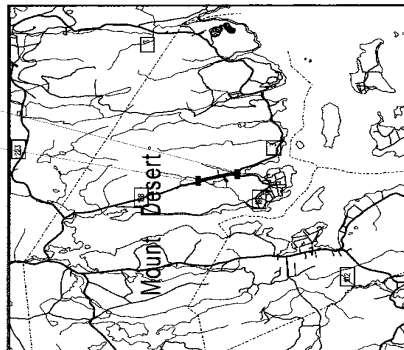
TELEPHONE

SPECIAL PROVISION PARTNERING

The successful bidder will have the opportunity to enter into a cooperative partnership agreement with the State Department of Transportation for the contract. The objective of this agreement is the effective completion of the work on time and to the standard of quality that will be a source of pride to both the State and the Contractor. The partnering agreement will not affect the terms of the contract. It is intended only to establish an environment of cooperation between the parties. If the partnering agreement is accepted.


1. Contractor shall select and provide a third-party facilitator to conduct the team building workshop for the Contractor and Department personnel. Facilitator selection shall require Department concurrence. The cost for the facilitator and his associated expenses will be shared equally by the Department on the next monthly estimate, following receipt of invoice(s) from the Contractor, on an extra work basis.
2. Contractor and Department will exchange lists of the key personnel to be participants in the workshop. The list will contain the name and job title of each person, a contact phone number, and the address for job related correspondence.
3. The Contractor shall select the location and make all arrangements for space as required by facilitator, and for any meals required. This cost to be shared equally.
4. A working arrangement for the partnership will be agreed upon in writing at the workshop. The arrangement will set out the mutually recognized goals and expectation of the parties.
5. The Contractor and the Department agree to make an effort to maintain identified key personnel assigned to the work for its duration. A timely notice by each shall be given if changes by either must be made.
6. Project issues shall be processed in the manner agreed upon by the parties during the orientation.
7. Follow-up workshops may be held periodically throughout the duration of the contract as agreed by the Contractor and the Department.
8. The Partnering Agreement is not intended to be a legal document. Failure by either party to follow the process identified will not be grounds for any claim under the contract.
9. ARE YOU INTERESTED IN THIS OPPORTUNITY? YES _____ NO _____

PROJECT LENGTH : 1.02 mi.
BIKEWAY



Current (2004) AADT	3530
Future (2024) AADT	4940
DHV - % of AADT	17
Design Hour Volume	840
% Heavy Trucks (AADT)	8
% Heavy Trucks (DHV)	6
Directional Distribution (DHV)	55
80 KN Equivalent P 2.0	110
80 KN Equivalent P 2.5	105
Design Speed (mph)	AS POSTED

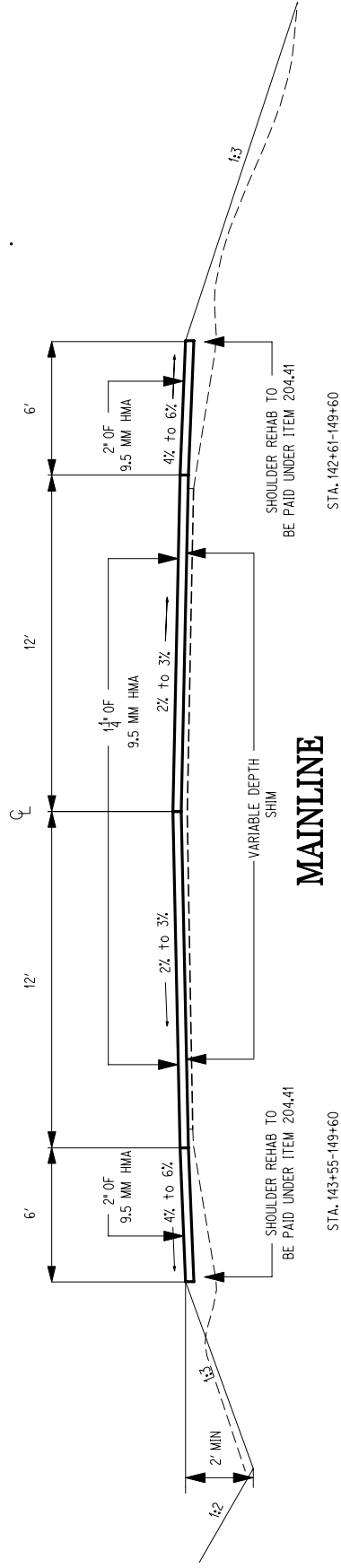
ASPHALT OVERLAY
UPGRADE DRAINAGE
GUARDRAIL IMPROVEMENTS

SHEET NUMBER 1		TITLE SHEET MOUNT DESERT ROUTE 3/198		PROJECT INFORMATION PROGRAM REGIONAL PROJECT MANAGER DAWN COFFIN DESIGNER RONNE SIMMONS CONSULTANT PROJECT RESIDENT CONTRACTOR PROJECT COMPLETION DATE JUNE 26, 2024	
DEPARTMENT OF TRANSPORTATION STATE OF MAINE APPROVED DATE 11/22/24 COMMISSIONER CHIEF ENGINEER		 DATE 11/22/24 P.E. NUMBER 5500 SIGNATURE		10/22/24 11/22/24	

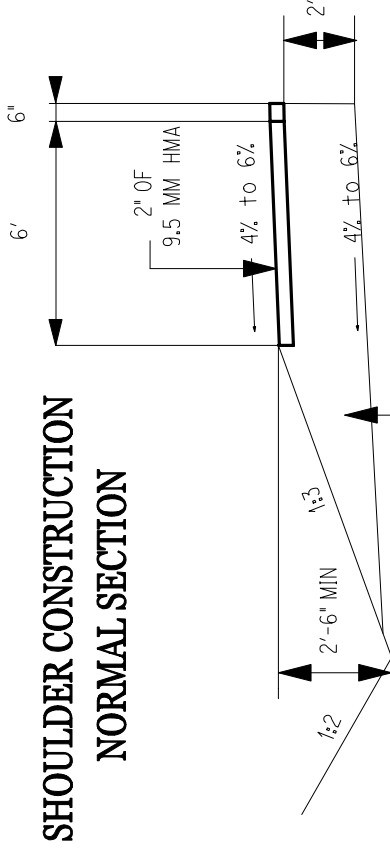
5301 LEAS

ROUTE 3/198
NOT TO SCALE

TYPICAL SECTION PROPOSED TRAVELWAY & SHOULDERS



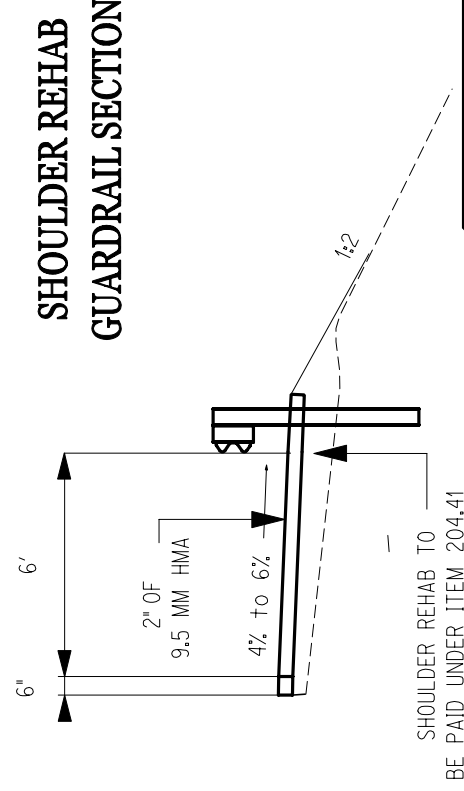
SHOULDER CONSTRUCTION & SHOULDER REHAB



NOTES:

- BACK UP ALL PAVEMENT EDGES WITH EXISTING SHOULDER MATERIAL TO ALLOW NO GREATER THAN A 1 1/4" DROP-OFF AND GRADE TO 1:3 OR FLATTER SEE GENERAL NOTE #6

GRAVEL IN THE SHOULDER CONSTRUCTION AREA TO BE PAID UNDER ITEM 304.104. EXCAVATION OF EXISTING SHOULDER MATERIAL TO SUBGRADE SHALL BE PAID UNDER ITEM 631.12.



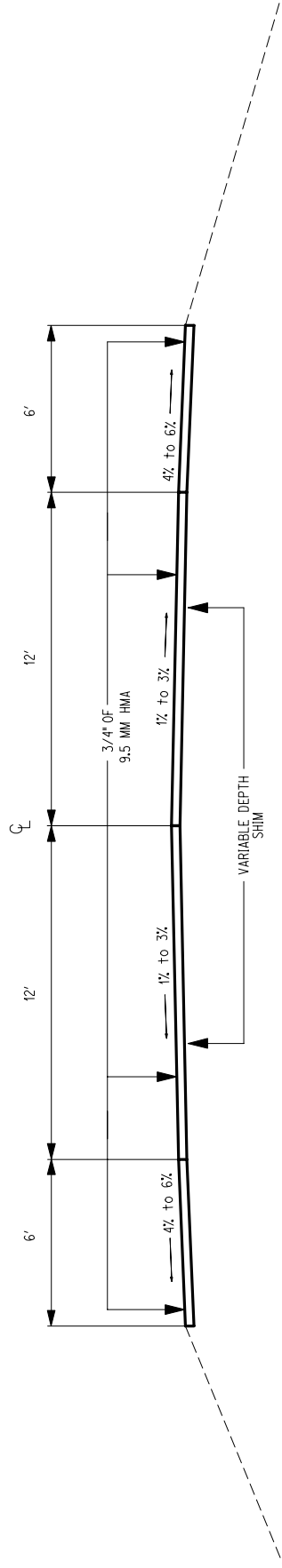
SHOULDER REHAB GUARDRAIL SECTION

SHOULDER REHAB TO BE PAID UNDER ITEM 204.41
STA. 142+61-149+60

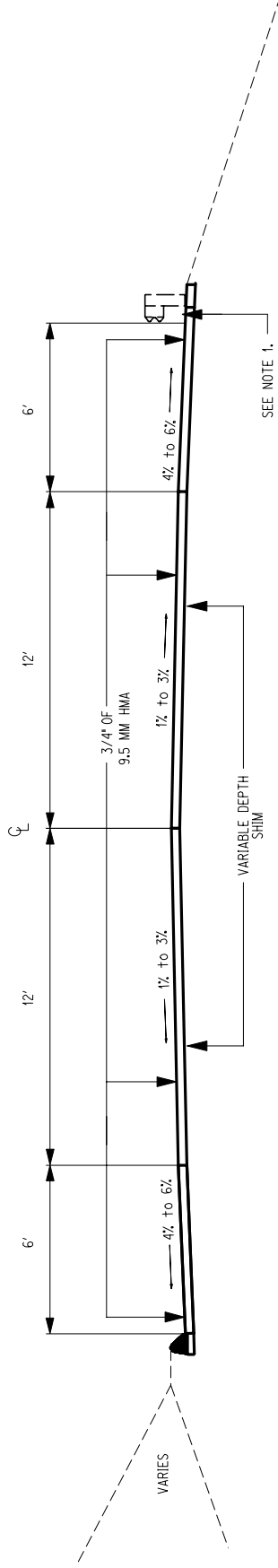
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
MOUNT DESERT
ROUTE 3/198

TYPICAL SECTION PROPOSED TRAVELWAY & SHOULDERS



STA. 149+60-166+00



NOTES:

1. PAVEMENT SHALL BE PLACED TO WITHIN 3" OF THE POST.

STA. 149+60-166+00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION


TYPICAL SECTIONS
MOUNT DESERT

ROUTE 3/198

NOT TO SCALE

Pole #	Project Stationing			Pole #
	<u>Topo - Left</u>	Imperial	<u>Topo - Right</u>	
	END PROJECT	166+00	END PROJECT	
72	Electric Pole	160+80		
74	Electric Pole	156+36		
76	Electric Pole	152+16		
77	Electric Pole	147+90		
78X	Electric Pole	143+67		
253d/80	Electric Pole	138+67		
		135+12	Gate House Rd.	
	Hadlock Pond Rd.	130+37		
86	Electric Pole	123+69		
88	Electric Pole	119+39		
253d/90	Electric Pole	114+48		
	BEGIN PROJECT	112+00	Route 3 BEGIN PROJECT	

Pavement Marking Information

comments	left	right	station	comments
END PROJECT			166+00	END PROJECT
			151+96	
			147+92	
			112+18	
BEGIN PROJECT			112+00	Rte. 3 Peabody Drive (Gap)

Pavement Cross Slope Information

MATCH	111+50	MATCH
-3	112+00	0
-2.5	112+50	2.5
	TO	
-2.5	119+50	2.5
-2.5	120+00	0
-3	120+50	-1.5
-3	121+00	-3
	TO	
-3	155+00	-3
-4	155+50	-0.5
-4.5	156+00	2
-4.5	156+50	4.5
	TO	
-4.5	160+50	4.5
-4	161+00	2
-3	161+50	-0.5
-3	162+00	-3
	TO	
-3	165+50	-3
MATCH	166+00	MATCH

Construction Notes

201.12 SELECTIVE CLEARING AND THINNING

LEFT					RIGHT				
Sta.	LENGTH (ft)	WIDTH (ft)			Sta.	LENGTH (ft)	WIDTH (ft)		
114+45 to 114+68	23	3			142+44 to 142+81	37	15		
132+62 to 133+64	102	5							
145+39 to 145+54	15	6							
145+98 to 147+32	134	7							

201.23 REMOVING SINGLE TREE TOP ONLY

LEFT	OFFSET (FT)	SIZE (in.)	TYPE	RIGHT	OFFSET (FT)	SIZE (in.)	TYPE
Sta. 117+75	29	15"	Pine	Sta. 113+72	19	30"	Pine
118+65	28	15"	Spruce				
120+55	26	15"	Spruce				
120+61	27	12"	Spruce				
120+90	28	12"	Spruce				
121+52	26	15"	Spruce				
122+09	26	15"	Spruce				
122+80	26	15"	Spruce				
128+39	26	18"	Pine				

201.24 REMOVING STUMP

LEFT	OFFSET (FT)	SIZE (in.)	TYPE	RIGHT	OFFSET (FT)	SIZE (in.)	TYPE
Sta. 117+75	29	15"	Pine	Sta. 113+72	19	30"	Pine
118+65	28	15"	Spruce				
120+55	26	15"	Spruce				
120+61	27	12"	Spruce				
120+90	28	12"	Spruce				
121+52	26	15"	Spruce				
122+09	26	15"	Spruce				
122+80	26	15"	Spruce				
128+39	26	18"	Pine				

202.203 PAVEMENT BUTT JOINTS

Sta. 111+53 to 112+79 Begin Project

NOTE: Includes three sideroads and two drives.

204.41 REHAB OF EXISTING SHOULDERS, PLAN QUANTITY

LEFT					RIGHT				
Sta.	LENGTH (ft)	WIDTH (ft)			Sta.	LENGTH (ft)	WIDTH (ft)		
143+55 to 144+85	130	6.5			112+80 to 129+10	1630	6.5		
146+93 to 149+60	267	6.5			142+61 to 144+35	174	6.5		
					144+35 to 145+88	153	8.5		
					146+91 to 149+60	269	6.5		

206.0619 STRUCTURAL ROCK EXCAVATION - BELOW GRADE

CROSSPIPE	LENGTH (ft)	WIDTH (ft)	DEPTH (ft)
Sta. 113+94	27.0	3.5	1.0

211.20 INSLOPE EXCAVATION

LEFT			RIGHT		
Sta. 143+88	to	146+11	Sta. 112+80	to	128+21

Construction Notes

211.30 DITCH EXCAVATION

LEFT
Sta. 112+00 to 113+15
116+84 to 123+95
146+73 to 149+60

RIGHT
Sta. 149+18 to 149+60

211.41 NEW DITCH EXCAVATION - LEDGE

LEFT
Sta. 113+15 to 116+84

304.104 AGGREGATE SUBBASE COURSE GRAVEL (PLAN QTY)

LEFT
Sta. 112+00 to 130+45 See Typical 2 & 4
130+45 to 143+55 See Typical 3

RIGHT
Sta. 129+10 to 142+61 See Typical 3

403.210 HOT MIX ASPHALT, 9.5 mm NOMINAL MAXIMUM SIZE

MAINLINE
Sta. 111+50 to 149+60 1.25
149+60 to 166+00 0.75

SHOULDER
Sta. 111+50 to 149+60 1.5
149+60 to 166+00 0.75

603.16 15" CULVERT PIPE OPTION I

LEFT
Sta. 146+26 LENGTH (ft) 62

603.165 15" RCP CLASS III

(crosspipe)

LENGTH (ft)
Sta. 146+26 71

603.179 18" CULVERT PIPE OPTION III

(crosspipe)

LENGTH (ft)
Sta. 118+07 62.0

603.199 24" CULVERT PIPE OPTION III

(crosspipe)

LENGTH (ft)
Sta. 145+70 80 Instream

604.072 CATCH BASIN TYPE A1-C

LEFT
Sta. 132+00 OFFSET(ft) 15
135+00 15 6.5 ft refusal
141+00 15

RIGHT
Sta. 132+00 OFFSET(ft) 15
135+00 15 6.5 ft refusal
141+00 15

NOTE: Catch basins at Sta. 135+00 Rt. And 135+00 Lt. order basins accordingly, no blasting allowed in this area.

Construction Notes

605.09 6" UNDERDRAIN TYPE B

LEFT				OFFSET(ft)	RIGHT				OFFSET(ft)
Sta.	135+01	to	140+99	15	Sta.	135+01	to	140+99	15

605.12 15" UNDERDRAIN TYPE C

LEFT				OFFSET(ft)	RIGHT				OFFSET(ft)
Sta.	130+22	to	131+99	15	Sta.	128+21	to	131+99	15
	132+01	to	134+99	15		132+01	to	134+99	15
	141+01	to	143+88	15		141+01	to	142+86	15

606.151 GUARDRAIL TYPE 3AA - SINGLE RAIL

RIGHT			
Sta.	145+38	to	145+88

606.35 GUARDRAIL DELINEATOR POST

LEFT			PURPOSE	RIGHT			PURPOSE
Sta.	130+45		Curb	Sta.	129+10		Curb
	143+55		Curb		142+61		Curb
	145+51		GR		145+00		GR
	145+89		GR		145+38		GR
	146+27		GR		14+588		GR

606.754 WIDEN SHOULDER FOR 350 END TREATMENT

LEFT				RIGHT			
Sta.	144+85	to	145+89	Sta.	145+88	to	146+92
	145+89	to	156+92				

606.7911 GUARDRAIL TYPE 3AA - 350 FLARED TERMINAL (corrosion resistant)

LEFT				RIGHT			
Sta.	145+51	to	145+89	Sta.	145+00	to	145+38
	145+89	to	146+27		145+88	to	146+26

609.11 VERTICAL CURB TYPE 1

LEFT				OFFSET(ft)	RIGHT				OFFSET(ft)
Sta.	130+55	to	143+55	16	Sta.	129+14	to	134+97	16
						135+26	to	136+26	16
						136+72	to	139+02	16
						139+51	to	139+72	16
						140+10	to	142+57	16

609.234 TERMINAL CURB TYPE 1, 4'

LEFT				OFFSET(ft)	RIGHT				OFFSET(ft)
Sta.	130+51	to	130+55	16	Sta.	129+10	to	129+14	16
	143+55	to	143+59	16		134+97	to	135+01	16
						135+22	to	135+26	16
						136+26	to	136+30	16
						136+68	to	136+72	16
						139+02	to	139+06	16
						139+47	to	139+51	16

Construction Notes

609.234 TERMINAL CURB TYPE 1, 4'

(cont)

	RIGHT		OFFSET(ft)
Sta.	139+72 to 139+76		16
	140+06 to 140+10		16
	142+57 to 142+61		16

609.50 CONCRETE BASE FOR CURBING

To be used under all granite curbing.

610.08 PLAIN RIPRAP

LEFT		RIGHT	
Sta.	130+23 to 130+29 Sediment Bowl	Sta.	128+21 to 128+27 Sediment Bowl
	143+88 to 143+94 Sediment Bowl		142+84 to 142+90 Sediment Bowl
			145+38 to 145+88 Inslope

610.18 STONE DITCH PROTECTION

LEFT		RIGHT	
Sta.	112+00 to 112+06	Sta.	129+10 to 129+16
	126+40 to 130+23		142+61 to 142+67
	130+39 to 130+45		
	143+55 to 143+61		

652.39 WORK ZONE TRAFFIC CONTROL

Lump Sum

661.14 INSULATION

LEFT	
Sta.	133+62 to 135+03
	135+05 to 135+10

801.16 6" PVC SANITARY SEWER (SDR-35)

LEFT	
Sta.	133+62 to 135+03
	135+05 to 135+10

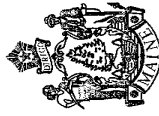
802.16 4' DIAMETER PRECAST SEWER MANHOLE

LEFT	OFFSET (ft)
Sta.	135+04 20

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

STP-1116(800)X



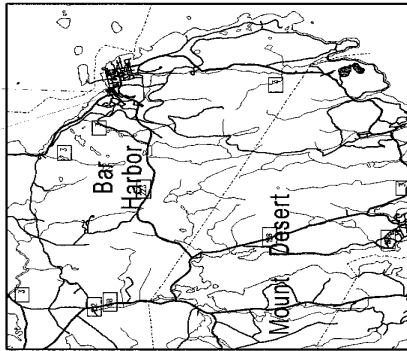
BAR HARBOR

HANCOCK

ROUTE 3, WEST STREET & WEST STREET EXTENSION

STP-1116(800)X

PROJECT LENGTH : 0.75 mi.
INTERSECTION IMPROVEMENT



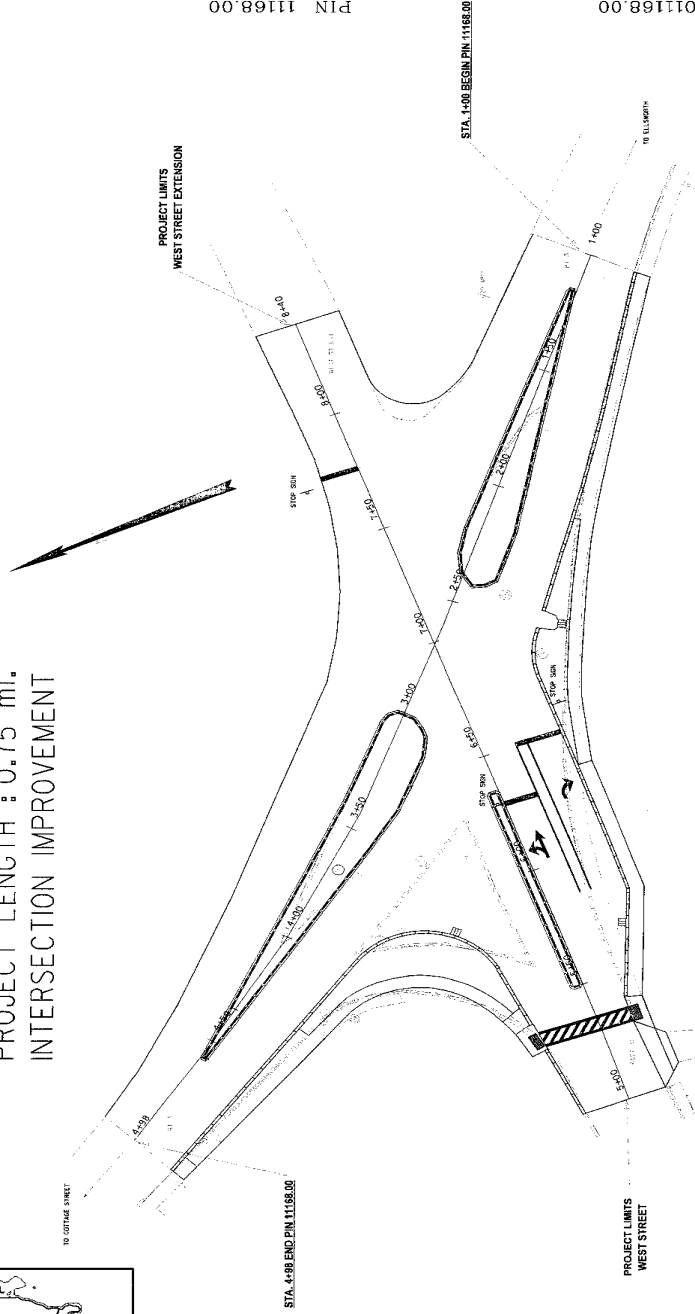
STA. 1+00 BEGIN PIN 11168.00

STA. 4+98 END PIN 11168.00

LOCATION MAP

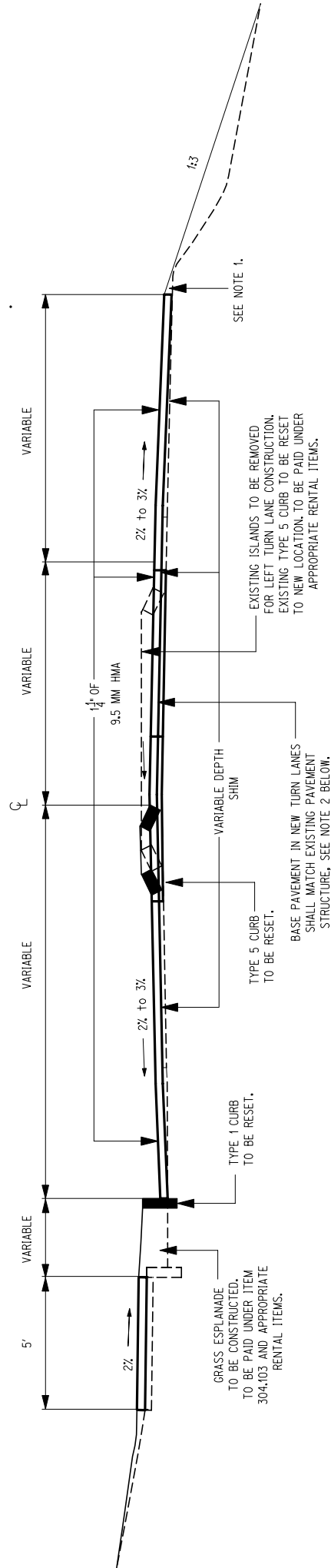


Scale in Miles



STATE OF MAINE DEPARTMENT OF TRANSPORTATION				COMMISSIONER: <i>[Signature]</i> CHIEF ENGINEER: <i>[Signature]</i> DATE: 2/6/04 P.E. NUMBER: 7930 SIGNATURE: <i>[Signature]</i>		PROJECT INFORMATION PROJECT: BAR HARBOR TRAFFIC: JAMES MAJOR DESIGNER: RONNE SINGAR PROJECT MANAGER: JAMES MAJOR CONTRACTOR: JAMES MAJOR PROJECT RESIDENT: JAMES MAJOR PROJECT COMPLETION DATE: JUNE 26, 2004		TITLE SHEET ROUTE 3, WEST ST. & WEST ST. EXT. BAR HARBOR		SHEET NUMBER 1 OF 1	
--	--	--	--	--	--	--	--	--	--	---------------------------	--

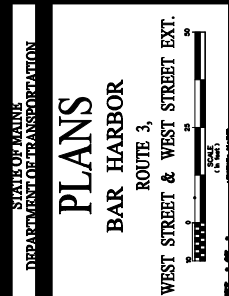
TYPICAL SECTION PROPOSED INTERSECTION IMPROVEMENT



MAINLINE 2% TO 3% CROWN PROPOSED TURN LANE CONSTRUCTION

NOTES:

1. BACK UP ALL PAVEMENT EDGES WITH EXISTING SHOULDER MATERIAL TO ALLOW NO GREATER THAN A 1 1/2" DROP-OFF AND GRADE TO 1:3 OR FLATTER.
2. 12.5 mm HMA SHALL BE USED TO MATCH EXISTING PAVEMENT DEPTHS IN AREAS THAT EXISTING ISLANDS ARE TO BE REMOVED FOR NEW TURN LANES. TO BE PAID UNDER ITEM 403.213.



Pole #	Project Stationing			Pole #
	<u>Topo - Left</u>	Imperial	<u>Topo - Right</u>	
	END PROJECT	4+98	END PROJECT	
12	Electric Pole	4+82		
	West Street	2+69	West Street Extension	
		1+29	25 mph sign	
	BEGIN PROJECT	1+00	BEGIN PROJECT	

Construction Notes

202.111 REMOVING OF CONCRETE SIDEWALK

LEFT		RIGHT
Sta. 4+00 to 4+98		Sta. 5+30 to 6+38

202.15 REMOVE MANHOLE OR CATCH BASIN

LEFT
 Sta. 3+66
 4+13
 5+67

202.203 PAVEMENT BUTT JOINTS

Sta. 1+00 to 1+33	BEGIN PROJ.
4+65 to 4+98	END PROJ.

NOTE: Including two side roads.

211.20 INSLOPE EXCAVATION

RIGHT
 Sta. 1+00 to 1+75

DITCH EXCAVATION

RIGHT
 Sta. 2+75 to 4+98

304.103 AGGR SUBBASE COURSE - GRAVEL, TRUCK MEASURE

LEFT		RIGHT	
Sta. 0+115 to 0+249		Sta. 0+200 to 0+545	Turn Lane Rt.
0+200 to 0+275		0+323 to 0+453	
0+350 to 0+448			
0+549 to 0+636			

603.15 12" CULVERT PIPE OPTION I (outlet pipe)

RIGHT	LENGTH (ft)
Sta. 3+67	48

603.159 12" CULVERT PIPE OPTION III (crosspipe)

	LOCATION	LENGTH (ft)
Sta. 3+67	CB. - MH.	4
5+70 to 5+76	CB. - CB.	50

604.092 CATCH BASIN TYPE B1-C

LEFT	RIGHT
Sta. 2+24	Sta. 5+70
5+76	

Construction Notes

604.167 ALTER CATCH BASIN GRATE TO CASCADE GRATE

LEFT
Sta. 2+42

604.18 ADJUST MANHOLE OR CATCH BASIN TO GRADE

LEFT
Sta. 3+67

604.2450 CATCH BASIN F4-C

RIGHT
Sta. 3+67

608.08 REINFORCED CONCRETE SIDEWALK

LEFT		WIDTH(ft)	RIGHT		WIDTH(ft)
Sta. 4+00	to 4+62	5	Sta. 5+30	to 6+50	5
5+30	to 5+90	5			

608.253 MASONRY PAVER W/TRUNCATED DOME

LEFT	LENGTH (ft)	WIDTH(ft)	RIGHT	LENGTH (ft)	WIDTH(ft)
Sta. 5+33	6	2	Sta. 5+33	6	2

609.11 VERTICAL CURB TYPE 1

LEFT
Sta. 3+95 to 4+91

609.12 VERTICAL CURB TYPE 1 - CIRCULAR

LEFT
Sta. 5+67 to 5+80 60 30 ft. radius

609.237 TERMINAL CURB TYPE 1 - 7 FOOT

LEFT		RIGHT
Sta. 4+91 to 4+98		Sta. 5+40 to 5+47
5+23 to 5+30		
5+40 to 5+47		

609.34 CURB TYPE 5

ISLAND
Sta. 5+49 to 6+36 182

Construction Notes

609.38 RESET CURB TYPE 1

	LEFT			LENGTH (ft)		RIGHT			LENGTH (ft)
Sta.	1+00	to	2+65	170	Sta.	5+28	to	6+75	134
	5+00	to	5+23	23					
	5+47	to	5+67	20					

609.40 RESET CURB TYPE 5

REMOVE									
	LEFT		LENGTH (ft)						
Sta.	1+62	to	2+43	162					
	2+99	to	4+03	208					
	5+62	to	6+37	195					
RESET TO									
	LEFT		LENGTH (ft)			RIGHT		LENGTH (ft)	
Sta.	1+15	to	2+49	280	Sta.	3+23	to	4+53	285

609.50 CONCRETE BASE FOR CURBING

	LEFT			LENGTH (ft)		RIGHT			LENGTH (ft)
Sta.	1+00	to	2+65	170	Sta.	5+28	to	6+75	134
	3+95	to	4+91	96					
	5+00	to	5+23	23					
	5+47	to	5+80	80					

615.07 LOAM

	LEFT					RIGHT		
Sta.	1+00	to	3+00		Sta.	5+30	to	6+38
	2+00	to	2+75			5+70		Outlet Pipe
	3+50	to	4+48					
	4+00	to	4+99					
	5+30	to	5+75					

618.1301 SEEDING METHOD NUMBER 1, PLAN QUANTITY

NOTE: To be used on loamed surfaces only.

618.1401 SEEDING METHOD NUMBER 2, PLAN QUANTITY

NOTE: To be used on inslopes and ditches.

652.39 WORK ZONE TRAFFIC CONTROL

Lump Sum

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



BAR HARBOR

HANCOCK

ROUTE 3

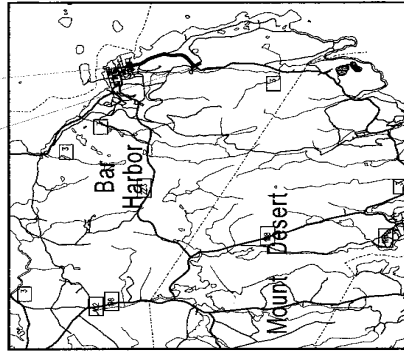
AC-STP-1126(500)X

PROJECT LENGTH : 1.68 mi.
LEVEL II OVERLAY

AC-STP-1126(500)X

STA. 5332+00 BEGIN PIN 11265.00

STA. 5421+50 END PIN 11265.00



LOCATION MAP



Scale in Miles

LIVINGSTON RD.
STA. 5332+00

PARK ST.
STA. 5332+00

CROMWELL HBR RD.
STA. 5344+51

SCHOONER RD.
STA. 5377+00

STA. 5332+00 BEGIN PIN 11265.00

STA. 5421+50 END PIN 11265.00

TO OTTER CREEK

TO ELLSWORTH

TRAFFIC DATA

Current (2004) AADT	5450
Future (2024) AADT	8720
DHV - % of AADT	17
Design Hour Volume	1482
% Heavy Trucks (AADT)	4
% Heavy Trucks (DHV)	2
Directional Distribution (DHV)	60
18 kip Equivalent P 2.0	118
18 kip Equivalent P 2.5	113
Design Speed (mph)	AS POSTED

ASPHALT OVERLAY
UPGRADE DRAINAGE
GUARDRAIL IMPROVEMENTS
SEWER REPLACEMENT

BAR HARBOR
ROUTE 3
TITLE SHEET

SHEET NUMBER

1

OF 1

011265.00
PIN 11265.00

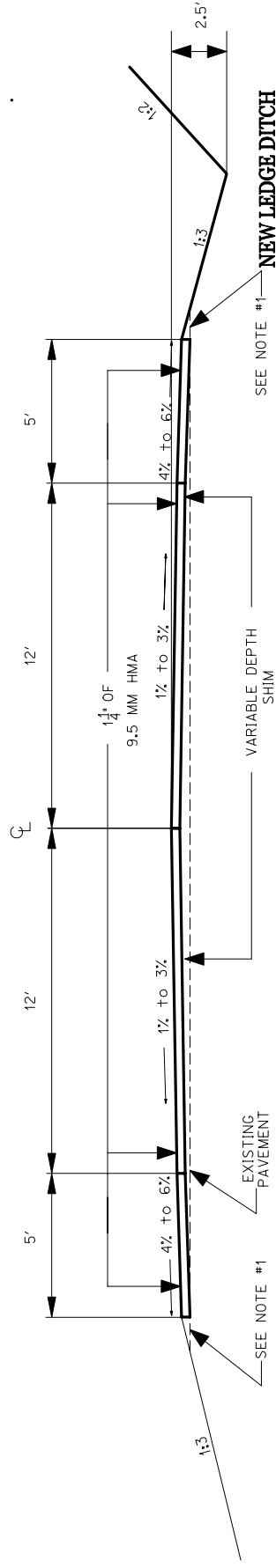
PROJECT INFORMATION	PROJECT NUMBER
PROJECT NAME	PROJECT RESIDENT
PROJECT LOCATION	PROJECT RESIDENT
PROJECT DATE	PROJECT RESIDENT
PROJECT DATE	PROJECT RESIDENT
PROJECT DATE	PROJECT RESIDENT

DATE	1/12/09
P.E. NUMBER	5500
SIGNATURE	
DRAWN BY	
CHECKED BY	

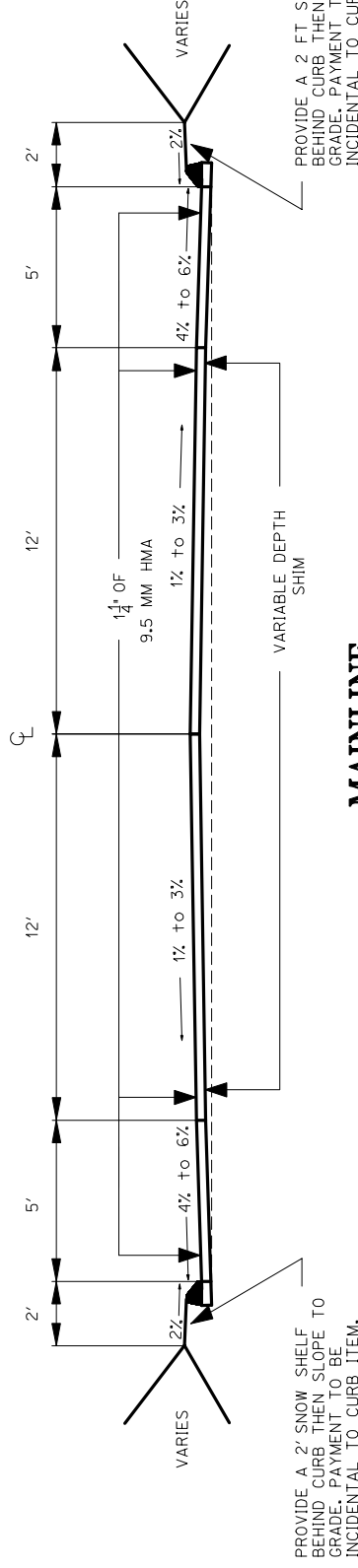


STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER		1/22/09
CHIEF ENGINEER		01/22/09

TYPICAL SECTION PROPOSED TRAVELWAY & SHOULDERS



MAINLINE 1% TO 3% CROWN

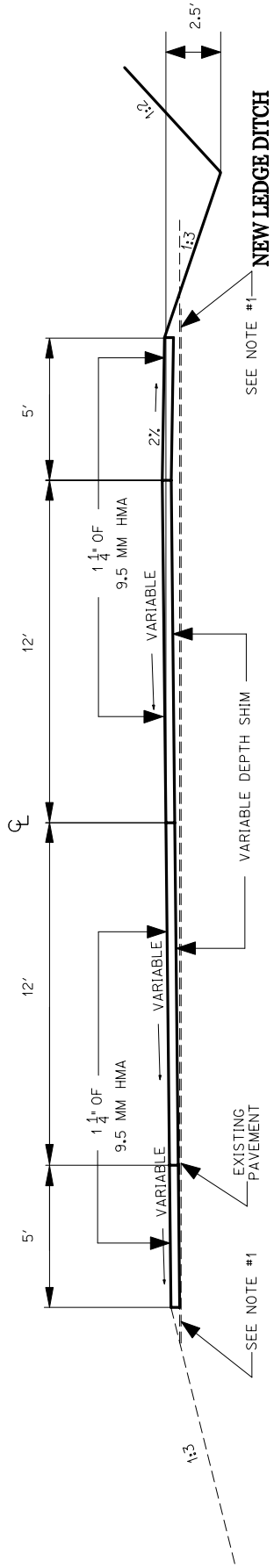


MAINLINE 1% TO 3% CROWN WITH PROPOSED TYPE 3 CURB

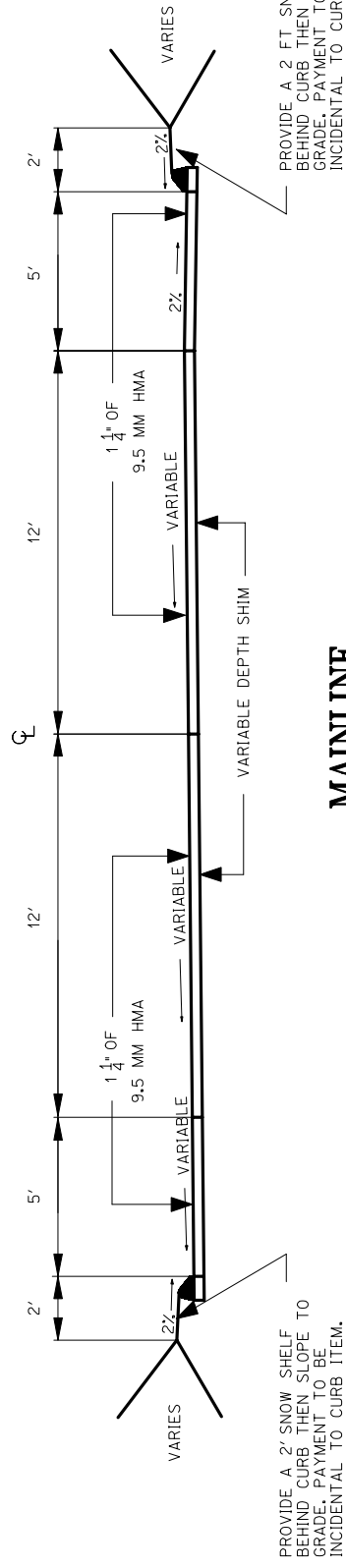
NOTES:

1. BACK UP ALL PAVEMENT EDGES WITH EXISTING SHOULDER MATERIAL TO ALLOW NO GREATER THAN A 1/4" DROP-OFF AND GRADE TO 1:3 OR FLATTER SEE GENERAL NOTE #6

TYPICAL SECTION PROPOSED TRAVELWAY & SHOULDERS



MAINLINE SUPERELEVATED



MAINLINE SUPERELEVATED WITH PROPOSED CURB

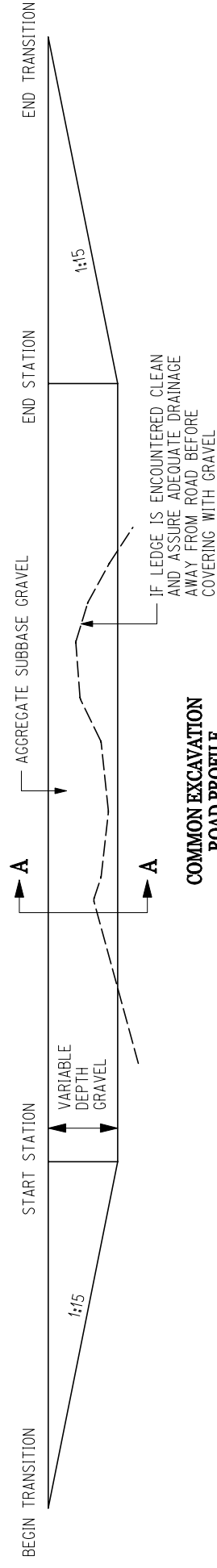
NOTES:

1. BACKUP ALL PAVEMENT EDGES WITH EXISTING SHOULDER MATERIAL TO ALLOW NO GREATER THAN 1 1/4" DROP-OFF AND GRADE TO A 1:3 OR FLATTER. SEE GENERAL NOTE #6.

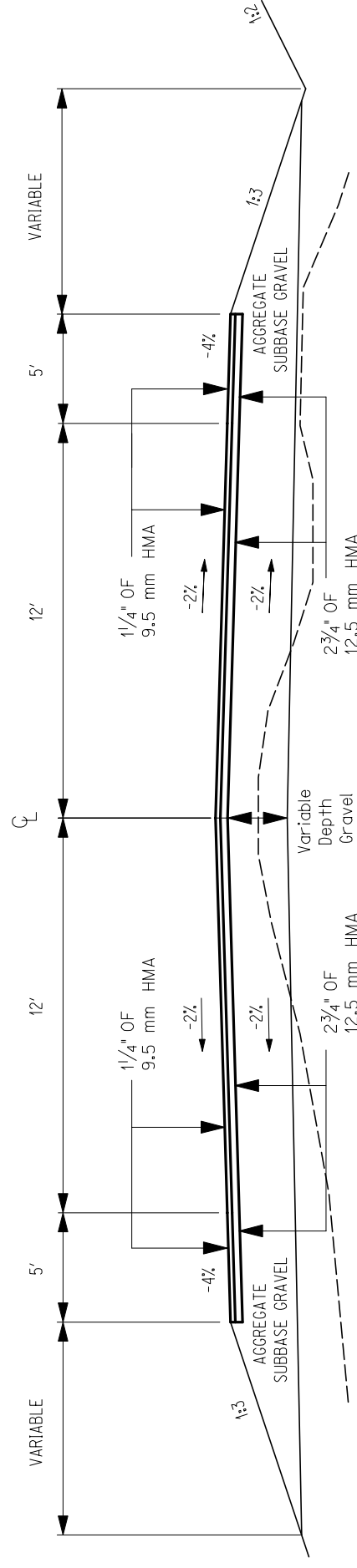
TYPICAL COMMON EXCAVATION SECTION

1 1/4" of 9.5 mm SURFACE

2 3/4" of 12.5 mm BASE



SECTION A - A



**LEFT SHOULDER
1:3 SLOPE**

**MAINLINE
2% SLOPE**

STA. 3+760 - 4+260

**RIGHT SHOULDER
1:3 SLOPE**

NOTES:

1. BACKUP ALL PAVEMENT EDGES WITH EXISTING SHOULDER MATERIAL TO ALLOW NO GREATER THAN A 1 3/4" DROP-OFF AND GRADE TO 1:3 OR FLATTER SEE GENERAL NOTE # 6
2. SHOULDERS SHALL BE PAVED AT A 4% CROSS SLOPE

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

BAR HARBOR

ROUTE 3

Pole #	Project Stationing			Pole #
	<u>Topo - Left</u>	<u>Imperial</u>	<u>Topo - Right</u>	
	END PROJECT	5421+50	END PROJECT	
		5415+95	Electric Pole	4/20
		5410+55	Electric Pole	18
		5406+71	Electric Pole	16 1/2
		5401+84	Electric Pole	14 1/2
		5400+50	Electric Pole	4/14
		5391+06	Electric Pole	4/10
		5385+37	Electric Pole	7
		5381+11	Electric Pole	417/4
	Schooner 4D Rd.	5377+80		
20	Electric Pole	5373+92		
	Old Farm Rd.	5371+45		
3/15	Electric Pole	5365+46		
12	Electric Pole	5359+42		
9/9	Electric Pole	5355+29		
3/5	Electric Pole	5350+47		
2	Electric Pole	5346+51		
		5344+61	Cromwell Hbr. Rd.	
5	Electric Pole	5341+60		
9	Electric Pole	5335+89		
	BEGIN PROJECT Livingston Rd.	5332+80	Park St. BEGIN PROJECT	

PAVEMENT CROSS SLOPE INFORMATION

-3	5332+80	-3	1.5	5365+50	-3
	TO		4	5366+00	-4
-3	5342+00	-3		TO	
-3	5342+50	-0.5	4	5367+50	-4
-3	5343+00	2	1.5	5368+00	-1.5
-4.1	5343+50	4.1	-1	5368+50	-3
	TO		-3	5369+00	-3
-4.1	5347+50	4.1		TO	
-2	5348+00	2	-3	5371+50	-3
0.5	5348+50	-0.5	-2	5372+00	-3
3	5349+00	-3	0.5	5372+50	-3
	TO		2.6	5373+00	-2.6
3	5351+50	-3	5.1	5373+50	-5.1
0.5	5352+00	-3		TO	
-2	5352+50	-3	5.1	5379+50	-5.1
-3	5353+00	-3	2.6	5380+00	-2.6
	TO		0.5	5380+50	-3
-3	5354+00	-3	-2	5381+00	-3
-2.5	5354+50	-3	-3	5381+50	-3
1	5355+00	-3		TO	
3.5	5355+50	-3.5	-3	5384+50	-3
6	5356+00	-6	-3	5385+00	-2
	TO		-3	5385+50	0.5
6	5357+50	-6	-2.6	5386+00	2.6
3.5	5358+00	-3.5	-5.1	5386+50	5.1
1	5358+50	-3		TO	
-1.5	5359+00	-3	-5.1	5390+00	5.1
-3	5359+50	-3	-2.6	5390+50	2.6
-3	5360+00	-1	-3	5391+00	0.5
-3	5360+50	-1.5	-3	5391+50	-2
-4	5361+00	4	-3	5392+00	-3
	TO			TO	
-4	5363+50	4	-3	5392+50	-3
-3	5364+00	1.5	-2	5393+00	-3
-3	5364+50	-1	0	5393+50	-3
-1	5365+00	-3	2.4	5394+00	-3

PAVEMENT CROSS SLOPE INFORMATION

4.9	5394+50	-4.9
	TO	
4.9	5400+00	-4.9
6	5400+50	-6
	TO	
6	5402+50	-6
3.5	5403+00	-3.5
1	5403+50	-3
-1.5	5404+00	-3
-2.5	5404+50	-3
0	5405+00	-3
2.4	5405+50	-3
4.9	5406+00	-4.9
	TO	
4.9	5409+00	-4.9
3	5409+50	-3
0.5	5410+00	-3
-1.5	5410+50	-3
-3	5411+00	-3
	TO	
-3	5414+00	-3
-3	5414+50	-2
-3	5415+00	0.5
-3	5415+50	3
-4.9	5416+00	4.9
	TO	
-4.9	5419+00	4.9
-3	5419+50	3
-3	5420+00	0.5
-3	5420+50	-2
-3	5421+00	-3
	TO	
-3	5421+55	-3

Gravel Markups

<u>Station</u>	<u>Depth (in)</u>
5387+80	0
5389+50	12
5392+90	16
5393+50	24
5394+50	12
5395+50	0
5397+72	-8
5399+00	0

Construction Notes

201.23 REMOVING SINGLE TREE TOP ONLY

	LEFT	OFFSET (FT)	SIZE (in)	TYPE
Sta.	5389+00	17	18	OAK
	5389+00	19	20	OAK
	5391+30	17	18	OAK

201.24 REMOVING STUMP

	LEFT	OFFSET (FT)	SIZE (in)	TYPE
Sta.	5337+98	20	24	PINE
	5389+00	17	18	OAK
	5389+00	19	20	OAK
	5391+30	17	18	OAK

202.127 REMOVE EXISTING BITUMINOUS PAVEMENT

	MAINLINE	WIDTH(ft)
Sta.	5387+80 to 5390+50	34
	5394+50 to 5398+00	40
	5398+00 to 5399+04	34

202.203 PAVEMENT BUTT JOINTS

Sta.	5332+80 to 5333+06	BEGIN PROJECT
	5421+09 to 5421+55	END PROJECT

NOTE: Includes 40 driveways and 4 sideroads.

203.21 ROCK EXCAVATION

	RIGHT
Sta.	5401+61 to 5402+16

206.0619 STRUCTURAL ROCK EXCAVATION - BELOW GRADE

NOTE: To be used when ledge is encountered during the instalation of the new 12 inch sewer line.

211.41 NEW DITCH EXCAVATION - LEDGE

	RIGHT
Sta.	5406+46 to 5406+76
	5405+20 to 5405+49
	5404+19 to 5404+48

304.103 AGGR SUBBASE COURSE - GRAVEL, TRUCK MEASURE

	ROADWAY
Sta.	5387+80 to 5389+50
	5389+50 to 5392+40
	5392+40 to 5393+50
	5393+50 to 5395+50

Construction Notes

403.209 HOT MIX ASPHALT, 9.5 mm NOMINAL MAXIMUM SIZE (sidewalks, drives, islands, and incidentals)

SIDEWALK LEFT

Sta. 5350+75 to 5351+48
5378+73 to 5378+88

NOTE: Used to pave existing paved drives and aprons in gravel drives as directed by the Resident.

403.210 HOT MIX ASPHALT, 9.5 mm NOMINAL MAXIMUM SIZE

MAINLINE			WIDTH (ft)	DEPTH (in)			
Sta.	5332+80 to	5387+80	12	1.25			
	5387+80 to	5399+04	12	1.75			
	5399+04 to	5421+50	12	1.25			
SHOULDERS LEFT			WIDTH (ft)	DEPTH (in)	SHOULDERS RIGHT	WIDTH (ft)	DEPTH (in)
Sta.	5332+80 to	5378+80	6	1.25	Sta. 5332+80 to 5378+80	6	1.25
	5378+80 to	5387+80	5.0	1.25	5378+80 to 5387+80	5.0	1.25
	5387+80 to	5399+04	5.0	1.75	5387+80 to 5395+00	5.0	1.75
	5399+04 to	5421+50	5.0	1.25	5395+00 to 5398+00	11.0	1.75
					5398+00 to 5399+04	5.0	1.75
					5399+04 to 5421+50	5.0	1.25

403.211 HOT MIX ASPHALT - SHIM

MAINLINE			WIDTH (ft)
Sta.	5332+80 to	5387+80	24
	5399+04 to	5421+50	24

403.213 HOT MIX ASPHALT, 12.5 mm NOMINAL MAXIMUM SIZE

MAINLINE			WIDTH (ft)	DEPTH (in)			
Sta.	5387+80 to	5399+04	24	2.25			
TRENCH FOR SEWER			WIDTH (ft)	DEPTH (in)			
Sta.	5356+70 to	5367+26	7	Match existing			
SHOULDERS LEFT			WIDTH (ft)	DEPTH (in)	SHOULDERS RIGHT	WIDTH (ft)	DEPTH (in)
Sta.	5387+80 to	5399+04	5.0	2.25	Sta. 5387+80 to 5395+00	5.0	2.25
					5395+00 to 5398+00	11.0	2.25
					5398+00 to 5399+04	5.0	2.25

603.171 18" CORRUGATED METAL PIPE

(culvert extension/CB stub pipes)

LEFT		LENGTH (ft)
Sta.	5389+00	5.0
	5413+55	5.0

603.179 18" CULVERT PIPE OPTION III

(crosspipe)

		LENGTH (ft)
Sta.	5383+98	54
	5386+52	54
	5391+54	61

Construction Notes

604.18 ADJUST MANHOLE OR CATCH BASIN TO GRADE

LEFT	QTY. (EA)	RIGHT	QTY. (EA)
Sta. 5336+19	1	Sta. 5333+71	1
5342+35	1	5336+19	1
5344+87	1	5350+04	1
5347+15	1	5351+53	1
5363+78	1	5354+10	1
5367+86	1	5359+24	1
5369+79	1	5365+28	1
5378+41	1	5369+58	1
		5371+67	1
		5374+43	1

606.191 GUARDRAIL TYPE 3AA - 4.5 M RADIUS & LESS

RIGHT
Sta. 5338+17 to 5338+05

606.201 GUARDRAIL TYPE 3AA - OVER 4.5 M RADIUS

RIGHT
Sta. 5338+17 to 5338+30

606.35 GUARDRAIL DELINEATOR POST

LEFT	PURPOSE	RIGHT	PURPOSE
Sta. 5378+88	Curb	Sta. 5338+17	GR
5408+18	Curb	5358+24	UD
5409+12	Curb	5362+38	Curb
5417+03	GR	5363+78	Curb
		5374+43	Curb
		5414+50	GR
		5414+88	GR

606.7911 GUARDRAIL TYPE 3AA - 350 FLARED TERMINAL (corrosion resistant)

LEFT	RIGHT
Sta. 5417+03 to 5417+41	Sta. 5414+50 to 5414+88

609.31 CURB TYPE 3

LEFT	RIGHT
Sta. 5340+26 to 5342+24	Sta. 5339+00 to 5339+73
5342+35 to 5343+28	5339+86 to 5340+78
5343+43 to 5349+15	5342+35 to 5344+25
5349+34 to 5350+58	5344+60 to 5350+61
5350+75 to 5351+48	5350+83 to 5351+71
5351+68 to 5355+08	5351+95 to 5362+23
5355+27 to 5357+13	5363+92 to 5367+16

Construction Notes

609.31 CURB TYPE 3

(cont)

LEFT			
Sta.	5357+32	to	5359+89
	5360+11	to	5361+72
	5361+89	to	5362+48
	5362+64	to	5366+53
	5366+77	to	5369+58
	5369+79	to	5371+07
	5371+45	to	5374+19
	5378+73	to	5378+88 ISLAND
	5378+73	to	5378+88 ISLAND
	5408+18	to	5409+12

RIGHT			
Sta.	5367+43	to	5369+18
	5369+40	to	5374+43

610.08 PLAIN RIPRAP

(culvert ends, curb downspouts and sedimentation bowls)

LEFT			
Sta.	5383+86	to	5383+89
	5388+98	to	5389+04
	5391+53	to	5391+56
	5409+68	to	5409+78
	5413+54	to	5413+57
	5417+18	to	5417+21
	5417+59	to	5417+62

RIGHT			
Sta.	5342+34	to	5342+37
	5358+22	to	5358+25
	5384+18	to	5384+21
	5386+37	to	5386+40
	5391+53	to	5391+56
	5407+68	to	5407+78
	5413+54	to	5413+57

610.18 STONE DITCH PROTECTION

RIGHT			
Sta.	5397+85	to	5398+75

652.39 WORK ZONE TRAFFIC CONTROL

Lump Sum

801.18 12" PVC SANITARY SEWER(SDR-35)

				MANHOLE TO MANHOLE	
Sta.	5356+70	to	5359+10	27-6A	27-7
	5359+10	to	5361+86	27-7	27-8
	5361+86	to	5364+60	27-8	27-9
	5364+60	to	5367+26	27-9	27-10

802.16 4' DIAMETER PRECAST SEWER MANHOLE

ELEVATIONS				
Sta.	MH #	INVERT	RIM	VERTICAL (ft)
5356+70	27-6A	36.25	49.17	12.92
5359+10	27-7	35.52	45.77	10.25
5361+86	27-8	32.97	44.14	11.17
5364+60	27-9	32.26	41.43	9.17
5367+26	27-10	30.79	40.79	10

NOTE: This item paid as each. Due to depths qty estimated =6.8 EA.

803.135 6" SERVICE LEADS

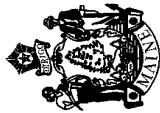
NOTE: 7 Service leads will be encountered during the sewer replacement.
4 feet of new service lead will be installed at these locations. See plans for details.

Construction Notes

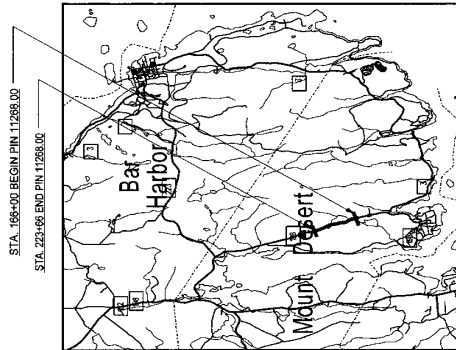
890.01 SPECIAL WORK ORDER # 1

NOTE: Crosswalk warning lights to be installed as per Special Provision 890.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



STP-1126(800)X



MOUNT DESERT
HANCOCK

ROUTE 3/198
STP-1126(800)X

PROJECT LENGTH : 1.09 mi.
PAVEMENT PREVENTATIVE MAINTENANCE

LOCATION MAP



Scale in Miles



TRAFFIC DATA

Current (2004) AADT	3530
Future (2024) AADT	4040
DHV - % of AADT	17
Design Hour Volume	840
% Heavy Trucks (AADT)	8
% Heavy Trucks (DHV)	6
Directional Distribution (DHV)	55
80 KN Equivalent P 2-2	10
80 KN Equivalent P 2-3	105
Design Speed (mph)	50


ASPHALT OVERLAY
VARIABLE DEPTH DRAG SHIM

PROJECT INFORMATION	PROGRAM PROJECT MANAGER DESIGNER CONSULTANT	PROJECT RESIDENT CONTRACTOR PROJECT COMPLETION DATE	DATE 1/22/04 P.E. NUMBER 5500 SIGNATURE ADAMS PROFESSIONAL ENGINEER STATE OF MAINE 11268
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED DATE 01/22/04	CHIEF ENGINEER COMMISSIONER	

TITLE SHEET MOUNT DESERT ROUTE 3/198	SHEET NUMBER 1 OF 1
--	---------------------------

Pole #	Project Stationing			Pole #
	<u>Topo - Left</u>	Imperial	<u>Topo - Right</u>	
	END PROJECT	223+66	END PROJECT	253D/50
		217+15		51
245D/52		214+25		
53 1/2		206+28		
253D/55		200+25		
40		191+75		
		188+67		
59		186+26		
62		180+28		
53D/65		173+76		
67		169+34		
68		167+28		
	BEGIN PROJECT	166+00	BEGIN PROJECT	

Pavement Marking Information

comments	left	right	station	comments
END PROJECT			223+66	END PROJECT
			199+41	
			195+00	
BEGIN PROJECT			166+00	BEGIN PROJECT

Construction Notes

202.203 PAVEMENT BUTT JOINTS

Sta. 223+10 to 223+66 End Project

652.39 WORK ZONE TRAFFIC CONTROL

Lump Sum

GENERAL NOTES

1. All joints between existing and proposed hot bituminous pavement shall be butted. Grind transition tapers at catch basins, payment shall be made under Item 202.203 Pavement Butt Joint.
2. Construct an 18 inch (1.5 feet) Butt Joint at all paved drives and entrances unless otherwise directed by the Resident.
3. Where deemed necessary by the Resident, winter sand shall be removed from the edges of shoulders and placed in designated areas or disposed of. Payment will be made under the appropriate Pay Items.
4. All in slope and ditches in cut areas shall be regraded to 1:3, or flatter, as directed by the Resident.
5. All waste material not used on the project shall be disposed of off the project in waste areas approved by the Resident.
6. The Contractor shall place suitable existing material, or other material acceptable to the Resident, on all pavement edges to allow no greater than a 1 ¼" to 1 ½" drop-off (see Typical) and be graded to 1:3 or flatter. Payment to be incidental to the contract.
7. Any damage to the slopes caused by the Contractor's equipment, personnel, or operation shall be repaired to the satisfaction of the Resident. All work, equipment and materials required to make repairs shall be at the Contractor's expense.
8. A 18 inch paved (1.5 feet) apron shall be placed at gravel entrances as directed by the Resident.
9. The Contractor will not be allowed to fuel up any equipment from station 137+00 to 198+00 at any time.
10. Any necessary cleaning of existing pavement prior to paving shall be incidental to the related paving items.
11. No existing drainage shall be abandoned, removed or plugged without prior approval of the Resident.
12. Existing culverts and catch basins will be cleaned as directed by the Resident under the appropriate Hourly Rental Items.

13. The following shall be incidental to the 603 item(s):
 - Any cutting of existing culverts and/or connectors necessary to install new culvert replacements or extensions
 - All pipe excavation including any cutting and removal of pavement
 - All ditching at pipe ends
 - Furnishing, placing, grading, and compacting of any new gravel and/or fill material including Granular Borrow
 - Granular Borrow under the pipe shall meet the requirements for Underwater Backfill
 - All work necessary to connect to existing pipes and catch basins
 - Flow lines may be changed by 18" (1.5 feet)
 - Any necessary clearing of brush and small trees at culvert ends
 - Furnishing, placing, grading and compacting of any gravel to be used in Maintenance of Traffic Control including granular borrow.
14. As directed by the Resident, all existing under drain outlets shall be located, cleaned out and ditched as required or replaced as necessary.
15. Two guardrail delineator posts will be installed at the leading end and one at the trailing end of each run of guardrail. One delineator post will also be installed at each under drain outlet and at the beginning and end of each curb section.
16. 350's shall be installed concurrently with the placement of each section of rail.
17. Excavation from Item 203.21 Rock Excavation, shall be used on the project as determined by the Resident.
18. Holes created by Guardrail removal will be filled and compacted with approved materials as directed by the Resident. Payment to be considered incidental to the guardrail items.
19. No vibratory rollers shall be used on project 11168.00 near the granite strut at any time.
20. Backing up bituminous curb is incidental to the curb items. In areas where new bituminous curb is designated to replace existing, the removal of the old bituminous curb shall be incidental to the new curb. Provide a two (2) foot snow shelf behind curb and then slope to grade with suitable existing material or other material approved by Resident. Payment to be considered incidental to curb item.
21. No separate payment for Superintendent or Foreman will be made for the supervision of equipment being paid under appropriate rental items.
22. Trim all tree branches to 20 feet above pavement. Payment shall be made under labor and equipment rental items.

23. "Undetermined Locations", as stated in the Construction Notes, shall be determined by the Resident.
24. Stations referenced in the Construction Notes are approximate.
25. Payment for Reset of Curb and Terminal Curb shall be paid under Item #609.38 Reset Curb Type 1. There will be no separate payment for cutting and fitting, but these will be considered included in the work of Reset Curb Type 1.
26. MDOT will final stripe the project. The Contractor is responsible for transferring the existing striping pattern to the surface course within 24 hours after paving.
27. All slopes in full width gravel shim areas and shoulder gravel shim areas shall be filled with ditch and inslope excavation to a depth of 2 feet below finish grade (subgrade) prior to placing gravel.
29. As directed, all existing under drain outlets shall receive a 2'x2' Rip - Rapped pad.
30. No trees will be cut without prior permission from Resident.
31. The Contractor will place side stakes every 50 feet with stationing on them the entire length of the project. Payment to be incidental to the contract.
32. All work shall be done in accordance with the Maine Department of Transportation's Best Management Practices for Erosion Control & Sediment Control, January, 2000.
33. Removal and reset of mailbox posts will be incidental to Item #203.203.
34. No grindings will be allowed for use as temporary pavement under Section 105. Trench created from the sewer replacement shall be paved in at the end of each day. Permanent pavement shall be paid for under Item 403.213.
35. On project 9814.00 all seeding paid under Item 618.1401 Seeding Number 2- Plan Qty shall meet the following seed mixture:
 - 34% red fescue
 - 33% annual rye
 - 22% Kentucky blue grass
36. Removal of ledge at stations 113+49, 114+81 and 117+42 to proper grades shall be completed to facilitate the placement of the new utility poles. This work shall be completed prior to performing work under item 211.41 New Ditch Excavation – Ledge on PIN 9814.00. This work shall be coordinated with the appropriate utility companies.

General Decision Number ME030009 06/13/2003 ME9

Superseded General Decision No. ME020009

State: Maine

Construction Type:
HIGHWAY

County(ies):

AROOSTOOK	KNOX	SAGADAHOC
FRANKLIN	LINCOLN	SOMERSET
HANCOCK	OXFORD	WALDO
KENNEBEC	PISCATAQUIS	YORK

HIGHWAY CONSTRUCTION PROJECTS excluding major bridging (for example: bascule, suspension and spandrel arch bridges; those bridging waters presently navigating or to be navigatable; and those involving marine construction in any degree); tunnels, building structures in rest area projects and railroad construction.

Modification Number	Publication Date
0	06/13/2003

COUNTY(ies):

AROOSTOOK	KNOX	SAGADAHOC
FRANKLIN	LINCOLN	SOMERSET
HANCOCK	OXFORD	WALDO
KENNEBEC	PISCATAQUIS	YORK

ENGI0004V 04/01/2003

	Rates	Fringes
POWER EQUIPMENT OPERATORS:		
Pavers	16.51	6.00
Rollers	16.51	6.00

SUME4024A 10/24/2000

	Rates	Fringes
CARPENTERS	11.60	1.51
IRONWORKERS		
Structural	12.03	1.58
LABORERS		
Drillers	10.00	2.50
Flaggers	6.00	
Guardrail Installers	7.92	
Landscape	7.87	.16
Line Stripper	8.69	.23
Pipelayers	9.21	2.31
Rakers	9.00	1.51
Sign Erectors	10.00	
Unskilled	8.66	1.38
Wheelman	8.50	.43
POWER EQUIPMENT OPERATORS		
Backhoes	11.87	2.05
Bulldozers	12.33	2.88
Cranes	14.06	1.75
Excavators	12.38	2.48
Graders	13.06	3.73

Loaders	11.41	2.87
Mechanics	13.18	2.57
TRUCK DRIVERS		
Dump	9.35	3.10
Tri axle	8.70	1.18
Two axle	8.56	2.19

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(ii)).

In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final.
END OF GENERAL DECISION

□

SPECIAL PROVISION
CONSTRUCTION AREA

A Construction Area located in the **Town of Mount Desert** has been established by the Maine Department of Transportation in accordance with provisions of Title 29, Section 1703, Maine Revised Statutes Annotated.

The section of highway under construction in Hancock County, project PLHD-9814(00)X is located on Route 3/198, beginning at the intersection of Route 3 and Route 198 and extending northerly 1.02 miles.

The State Department of Transportation or the State's Engineer may issue permits for stated periods of time for moving construction equipment without loads, low-bed trailers with overloads, over-height, over-width or over-length equipment or materials over all State maintained sections described in the "Construction Area" above and in addition may issue permits for stated periods of time for moving overweight vehicles and loads over the section described in (a) above. The right to revoke such a permit at any time is reserved by the State Department of Transportation and the issuance of such permits shall be subject to any Special Provisions or Supplemental Specifications written for this project.

A Temporary Permit for each move may be issued by the State Department of Transportation or the State's Engineer for moving Contractor's construction equipment used on the project which exceeds the legal limits (shovels, bulldozers, etc.) to sources of construction material over highways maintained by the State reasonably within the area of the project.

The Municipal Officers for the **Town of Mount Desert** agreed that a permit will be issued to the Contractor for the purpose of hauling loads in excess of the limits as specified in Title 29, Maine Revised Statutes Annotated, on the town ways as described in the "Construction Area" and that single move permits will be issued for moving Contractor's construction equipment used on the project which exceeds the legal limits (shovels, bulldozers, etc.) to sources of construction material over town ways reasonably within the area of the project.

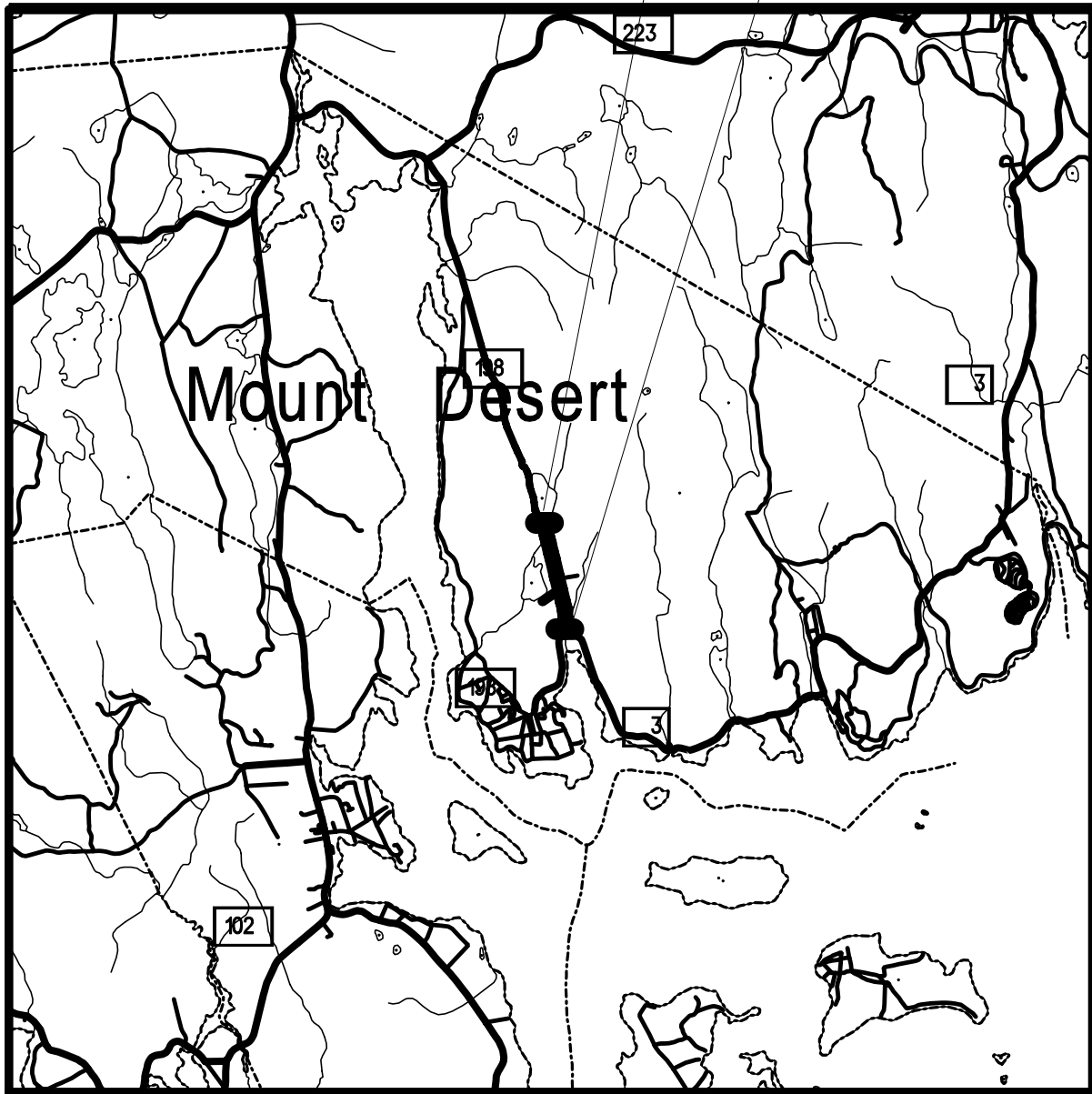
In the event it is necessary to transport gravel, borrow, or other construction material in legally registered vehicles carrying legal loads over town ways, a Contractor's Bond of not more than Nine Thousand (\$9,000.00) per kilometer of traveled length may be required by the town, the exact amount of said bond to be determined prior to use of any town way.

The maximum speed limits for trucks on any town way will be forty (40) km per hour [25 mph], unless a higher legal limit is specifically agreed upon in writing by the Municipal Officers concerned.

PLHD-9814(00)X

STA. 112+00 BEGIN PIN 9814.00

STA. 166+00 END PIN 9814.00



LOCATION MAP



Scale in Miles

Project No. STP-1116(800)X

SPECIAL PROVISION
CONSTRUCTION AREA

A Construction Area located in the **Town of Bar Harbor** has been established by the Maine Department of Transportation in accordance with provisions of Title 29, Section 1703, Maine Revised Statutes Annotated.

The section of highway under construction in Hancock County, project STP-1116(800)X is Intersection Reconstruction at the intersection of Main Street (Route 3), West Street and West Street Extension.

The State Department of Transportation or the State's Engineer may issue permits for stated periods of time for moving construction equipment without loads, low-bed trailers with overloads, over-height, over-width or over-length equipment or materials over all State maintained sections described in the "Construction Area" above and in addition may issue permits for stated periods of time for moving overweight vehicles and loads over the section described in (a) above. The right to revoke such a permit at any time is reserved by the State Department of Transportation and the issuance of such permits shall be subject to any Special Provisions or Supplemental Specifications written for this project.

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The Municipal Officers for the **Town of Bar Harbor** agreed that a permit will be issued to the Contractor for the purpose of hauling loads in excess of the limits as specified in Title 29, Maine Revised Statutes Annotated, on the town ways as described in the "Construction Area" and that single move permits will be issued for moving Contractor's construction equipment used on the project which exceeds the legal limits (shovels, bulldozers, etc.) to sources of construction material over town ways reasonably within the area of the project.

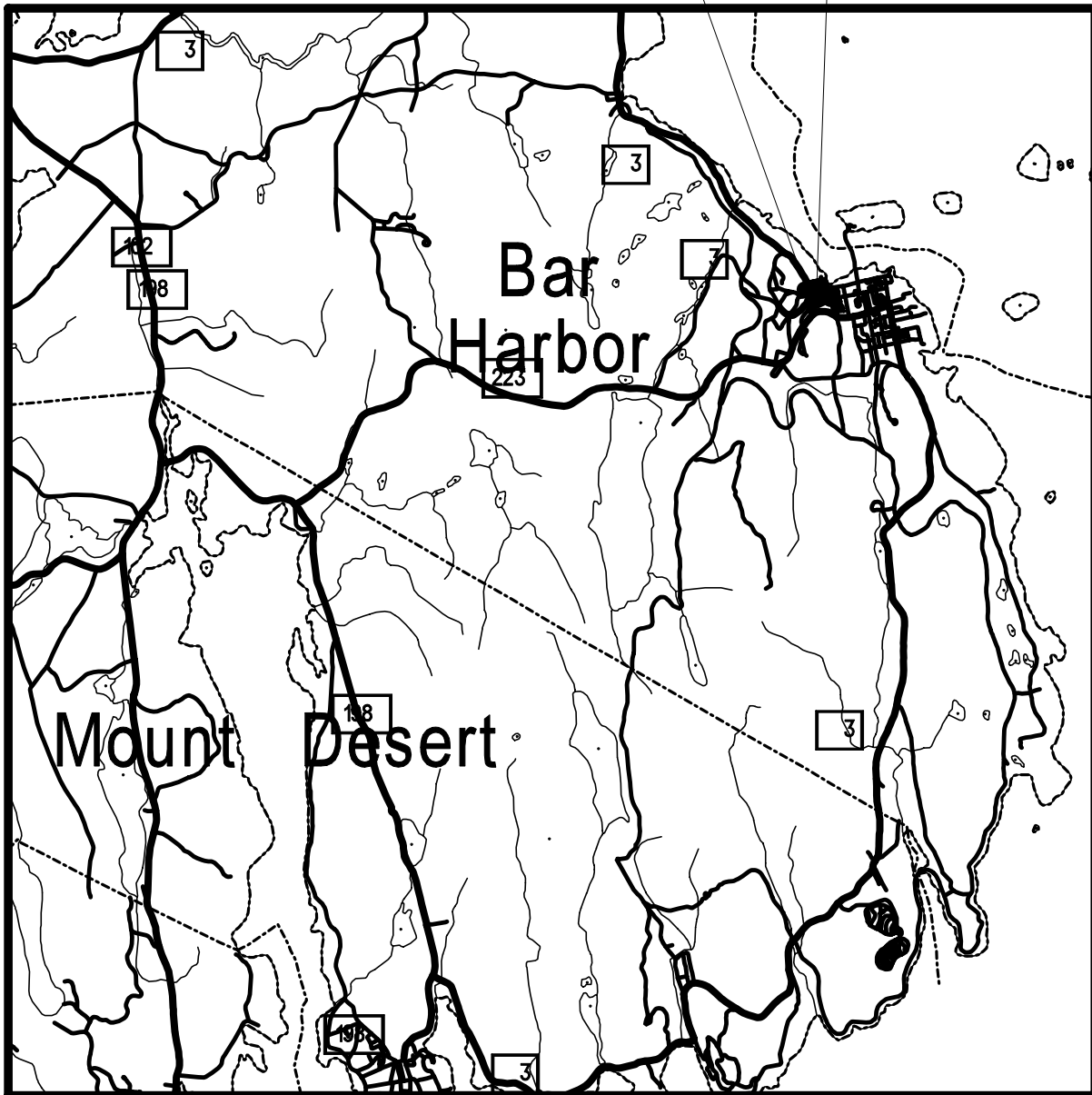
In the event it is necessary to transport gravel, borrow, or other construction material in legally registered vehicles carrying legal loads over town ways, a Contractor's Bond of not more than Nine Thousand (\$9,000.00) per kilometer of traveled length may be required by the town, the exact amount of said bond to be determined prior to use of any town way.

The maximum speed limits for trucks on any town way will be forty (40) km per hour [25 mph], unless a higher legal limit is specifically agreed upon in writing by the Municipal Officers concerned.

STP-1116(800)X

STA. 1+00 BEGIN PIN 11168.00

STA. 4+98 END PIN 11168.00



LOCATION MAP



Scale in Miles

SPECIAL PROVISION
CONSTRUCTION AREA

A Construction Area located in the **Town of Bar Harbor** has been established by the Maine Department of Transportation in accordance with provisions of Title 29, Section 1703, Maine Revised Statutes Annotated.

The section of highway under construction in Hancock County, project STP-1126(500)X is located on Main Street (Route 3), beginning at Park Street and extending easterly 1.68 miles.

The State Department of Transportation or the State's Engineer may issue permits for stated periods of time for moving construction equipment without loads, low-bed trailers with overloads, over-height, over-width or over-length equipment or materials over all State maintained sections described in the "Construction Area" above and in addition may issue permits for stated periods of time for moving overweight vehicles and loads over the section described in (a) above. The right to revoke such a permit at any time is reserved by the State Department of Transportation and the issuance of such permits shall be subject to any Special Provisions or Supplemental Specifications written for this project.

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The Municipal Officers for the **Town of Bar Harbor** agreed that a permit will be issued to the Contractor for the purpose of hauling loads in excess of the limits as specified in Title 29, Maine Revised Statutes Annotated, on the town ways as described in the "Construction Area" and that single move permits will be issued for moving Contractor's construction equipment used on the project which exceeds the legal limits (shovels, bulldozers, etc.) to sources of construction material over town ways reasonably within the area of the project.

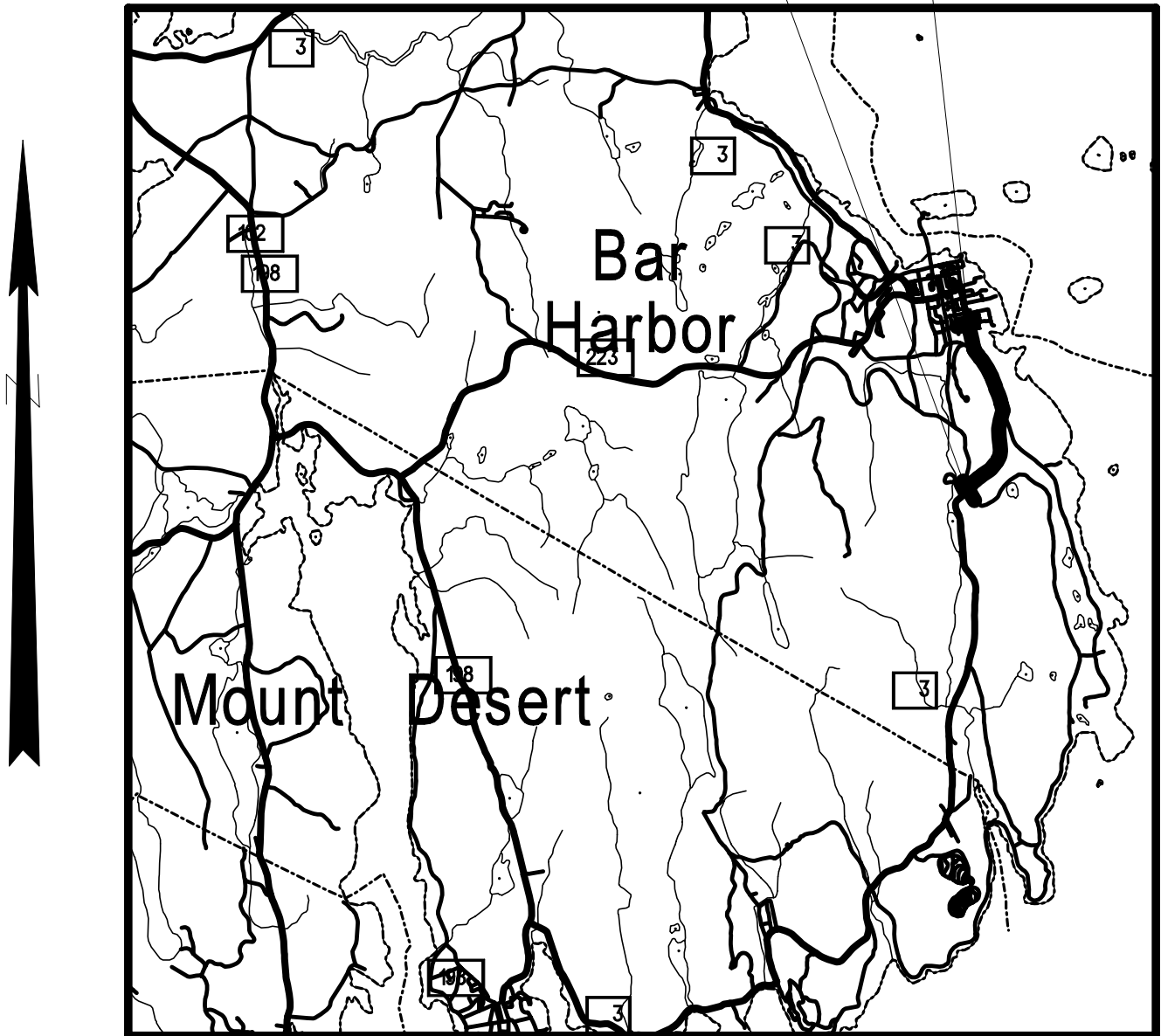
In the event it is necessary to transport gravel, borrow, or other construction material in legally registered vehicles carrying legal loads over town ways, a Contractor's Bond of not more than Nine Thousand (\$9,000.00) per kilometer of traveled length may be required by the town, the exact amount of said bond to be determined prior to use of any town way.

The maximum speed limits for trucks on any town way will be forty (40) km per hour [25 mph], unless a higher legal limit is specifically agreed upon in writing by the Municipal Officers concerned.

AC-STP-1126(500)X

STA. 5332+80 BEGIN PIN 11265.00

STA. 5421+50 END PIN 11265.00



LOCATION MAP



Scale in Miles

SPECIAL PROVISION
CONSTRUCTION AREA

A Construction Area located in the **Town of Mount Desert** has been established by the Maine Department of Transportation in accordance with provisions of Title 29, Section 1703, Maine Revised Statutes Annotated.

The section of highway under construction in Hancock County, project STP-1126(800)X is located on Route 3/198, beginning 0.83 of a mile northerly of the intersection of Route 3 and Route 198 and extending northerly 1.09 miles.

The State Department of Transportation or the State's Engineer may issue permits for stated periods of time for moving construction equipment without loads, low-bed trailers with overloads, over-height, over-width or over-length equipment or materials over all State maintained sections described in the "Construction Area" above and in addition may issue permits for stated periods of time for moving overweight vehicles and loads over the section described in (a) above. The right to revoke such a permit at any time is reserved by the State Department of Transportation and the issuance of such permits shall be subject to any Special Provisions or Supplemental Specifications written for this project.

A Temporary Permit for each move may be issued by the State Department of Transportation or the State's Engineer for moving Contractor's construction equipment used on the project which exceeds the legal limits (shovels, bulldozers, etc.) to sources of construction material over highways maintained by the State reasonably within the area of the project.

The Municipal Officers for the **Town of Mount Desert** agreed that a permit will be issued to the Contractor for the purpose of hauling loads in excess of the limits as specified in Title 29, Maine Revised Statutes Annotated, on the town ways as described in the "Construction Area" and that single move permits will be issued for moving Contractor's construction equipment used on the project which exceeds the legal limits (shovels, bulldozers, etc.) to sources of construction material over town ways reasonably within the area of the project.

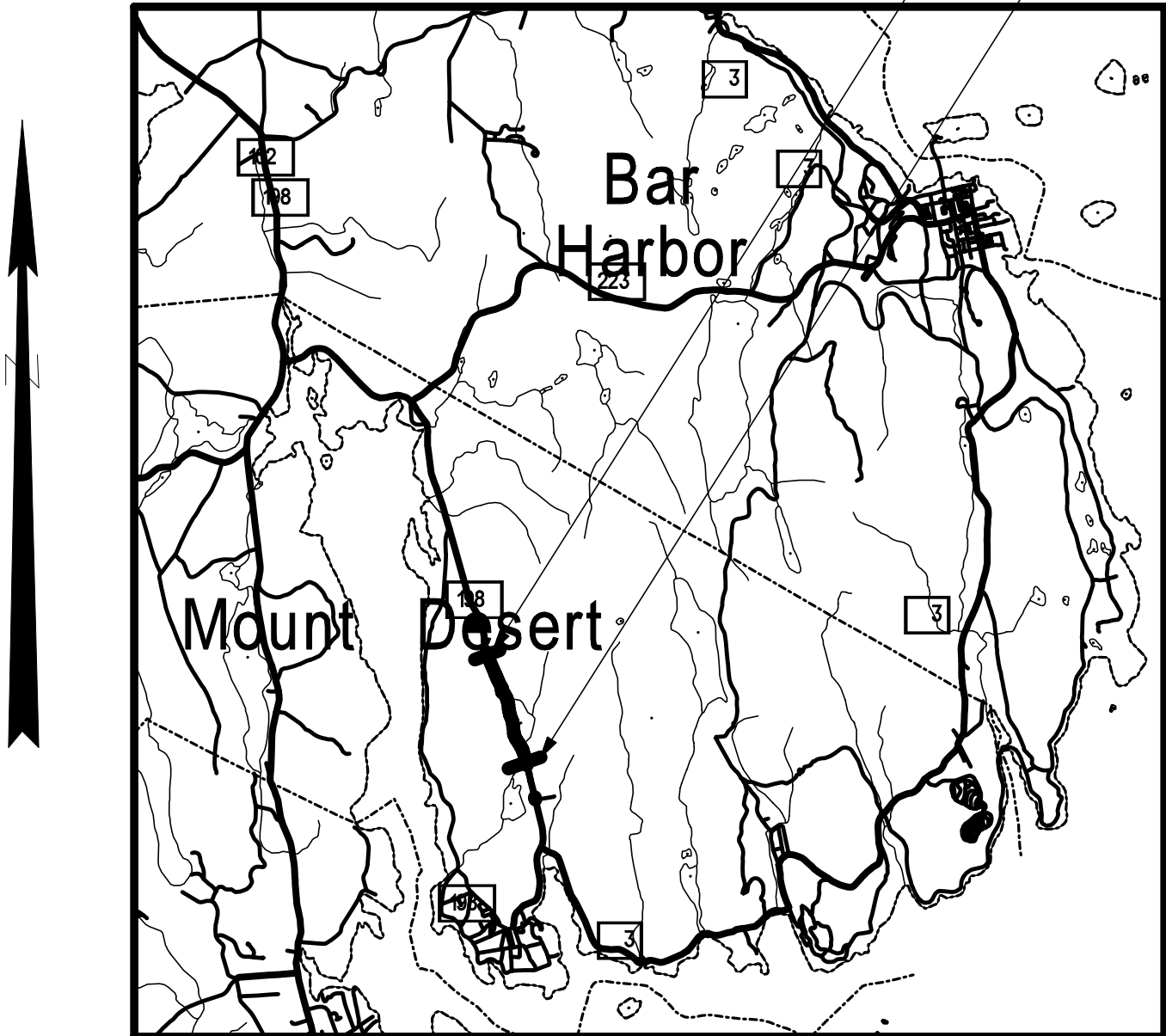
In the event it is necessary to transport gravel, borrow, or other construction material in legally registered vehicles carrying legal loads over town ways, a Contractor's Bond of not more than Nine Thousand (\$9,000.00) per kilometer of traveled length may be required by the town, the exact amount of said bond to be determined prior to use of any town way.

The maximum speed limits for trucks on any town way will be forty (40) km per hour [25 mph], unless a higher legal limit is specifically agreed upon in writing by the Municipal Officers concerned.

STP-1126(800)X

STA. 166+00 BEGIN PIN 11268.00

STA. 223+66 END PIN 11268.00



LOCATION MAP



Scale in Miles

SPECIAL PROVISION
CONSTRUCTION AREA

Title 29A, M.R.S.A., Subsection 2383. Overlimit movement permits

1. Overlimit movement permits issued by State. The Secretary of State, acting under guidelines and advice of the Commissioner of Transportation, may grant permits to move non-divisible objects having a length, width, height or weight greater than specified in this Title over a way or bridge maintained by the Department of Transportation.
2. Permit Fee. The Secretary of State, with the advice of the Commissioner of Transportation, may set the fee for these permits, at not less than \$3, nor more than \$15, based on weight, height, length and width.
3. County and municipal permits. A permit may be granted, for a reasonable fee, by county commissioners or municipal officers for travel over a way or bridge maintained by that county or municipality.
4. Permits for weight. A vehicle granted a permit for excess weight must first be registered for the maximum gross vehicle weight allowed for that vehicle.
5. Special mobile equipment. The Secretary of State may grant a permit, for no more than one year, to move pneumatic-tire equipment under its own power, including Class A and Class B special mobile equipment, over ways and bridges maintained by the Department of Transportation. The fee for that permit is \$15 for each 30-day period.
6. Scope of permit. A permit is limited to the particular vehicle or object to be moved and particular ways and bridges.
7. Construction permits. A permit for a stated period of time may be issued for loads and equipment employed on public way construction projects, United States Government projects or construction of private ways, when within construction areas established by the Department of Transportation. The Permit:
 - A. Must be procured from the municipal officers for a construction area within that municipality;
 - B. May require the Contractor to be responsible for damage to ways used in the construction areas and may provide for:
 - (1) Withholding by the agency of the work of final payment under contract;
or
 - (2) The furnishing of a bond by the Contractor to guarantee suitable repair or payment of damages.
 - C. May be granted by the Department of Transportation or by the state engineer in charge of the construction contract; and
 - D. For construction areas, carries no fee and does not come within the scope of this section.
8. Gross vehicle weight permits. The following may grant permits to operate a vehicle having a gross vehicle weight exceeding the prescribed limit:

- A. The Secretary of State, with the consent of the Department of Transportation, for state and state aid highways and bridges within city or compact village limits;
 - B. Municipal officers, for all other ways and bridges within that city and compact village limits; and
 - C. The county commissioners, for county roads and bridges located in unorganized territory.
9. Pilot vehicles and state police escorts. Pilot vehicles required by a permit must be equipped with warning lights and signs as required by the Secretary of State with the advice of the Department of Transportation.

Warning lights may only be operated and lettering on the signs may only be visible on a pilot vehicle while it is escorting on a public way a vehicle with a permit.

The Secretary of State shall require a State Police escort for a single vehicle or a combination of vehicles of 125 feet or more in length or 16 feet or more in width. The Secretary of State, with the advice of the Commissioner of Transportation, may require vehicles of lesser dimensions to be escorted by the State Police.

The Bureau of State Police shall establish a fee for State Police escorts.

All fees collected must be used to defray the cost of services provided.

With the advice of the Commissioner of Transportation and the Chief of the State Police, the Secretary of State shall establish rules for the operation for the operation of pilot vehicles.

10. Taxes paid. A permit for a mobile home may not be granted unless the applicant provides reasonable assurance that all property taxes, sewage disposal charges and drain and sewer assessments applicable to the mobile home, including those for the current tax year, have been paid or that the mobile home is exempt from those taxes.

1993, c. 683, § S-2, eff. January 1, 1995.

Historical and Statutory Notes

Derivation:

R.S. 1954, c. 22 § 98
Laws 1955, c. 389
Laws 1967, c. 3.
Laws 1971, c. 593, § 22.
Laws 1973, c. 213.
Laws 1975, c. 130, §
Laws 1975, c. 319, § 2

Laws 1977, c. 73, § 5.
Laws 1981, c. 413.
Laws 1985, c. 225, § 1
Laws 1987, c. 52.
Laws 1987, 781, § 3.
Laws 1989, c. 866, § B-13.
Laws 1991, c. 388, § 8.
Laws 1993, c. 683, § A-1.
Former 29 M.R.S.A. § 2382.

Cross Reference

Collection by Secretary of State, See 29-A
M.R.S.A. § 154.

SPECIAL PROVISION
(Consolidated Special Provisions)

SPECIAL PROVISION SECTION 101
CONTRACT INTERPRETATION

101.2 Definitions - Closeout Documentation

Replace the sentence “A letter stating the amount..... DBE goals.” with “DBE Goal Attainment Verification Form”

SPECIAL PROVISION SECTION 102
DELIVERY OF BIDS
(Location and Time)

102.7.1 Location and Time Add the following sentence “As a minimum, the Bidder will submit a Bid Package consisting of the Notice to Contractors, the completed Acknowledgement of Bid Amendments & Submission of Bid Bond Validation Number form, the completed Schedule of Items, 2 copies of the completed Agreement, Offer, & Award form, a Bid Bond or Bid Guarantee, and any other Certifications or Bid Requirements listed in the Bid Book.”

SPECIAL PROVISION SECTION 103
AWARD AND CONTRACTING

103.3.1 Notice and Information Gathering

Change the first paragraph to read as follows: “After Bid Opening and as a condition for Award of a Contract, the Department may require an Apparent Successful Bidder to demonstrate to the Department’s satisfaction that the Bidder is responsible and qualified to perform the Work.”

SPECIAL PROVISION SECTION 105
GENERAL SCOPE OF WORK

105.6.2 Contractor Provided Services

Change the first paragraph by the addition of the following as the second sentence: “The Contractor is also responsible for providing construction centerline, or close reference points, for all Utility Facilities relocations and adjustments as necessary to complete the Work.”

SPECIAL PROVISION SECTION 106 QUALITY

106.6 Acceptance Add the following to paragraph 1 of A: “This includes Sections 401 - Hot Mix Asphalt, 402 - Pavement Smoothness, and 502 - Structural Concrete - Method A - Air Content.”

Add the following to the beginning of paragraph 3 of A: “For pay factors based on Quality Level Analysis, and”

SPECIAL PROVISION SECTION 107 TIME

107.3.1 General Add the following: “If a Holiday occurs on a Sunday, the following Monday shall be considered a Holiday. Sunday or Holiday work must be approved by the Department, except that the Contractor may work on Martin Luther King Day, President’s Day, Patriot’s Day, the Friday after Thanksgiving, and Columbus Day without the Department’s approval.”

SPECIAL PROVISION SECTION 108 PAYMENT

108.4 Payment for Materials Obtained and Stored First paragraph, second sentence, delete the words “...Delivered on or near the Work site at acceptable storage places.”

SPECIAL PROVISION SECTION 109 CHANGES

109.1.1 Changes Permitted Add the following to the end of the paragraph: “There will be no adjustment to Contract Time due to an increase or decrease in quantities, compared to those estimated, except as addressed through Contract Modification(s).”

109.1.2 Substantial Changes to Major Items Add the following to the end of the paragraph: “Contract Time adjustments may be made for substantial changes to Major Items when the change affects the Critical Path, as determined by the Department”

109.4.4 Investigation / Adjustment In the third sentence, delete the words “subsections (A) - (E)”

109.7.2 Basis of Payment Replace with the following: “Equitable Adjustments will be established by mutual Agreement for compensable items listed in Section 109.7.3-Compensable Items, based upon Unit or Lump Sum Prices. If Agreement cannot be reached, the Contractor shall accept payment on a Force Account basis as provided in Section 109.7.5 - Force Account Work, as full and complete compensation for all Work relating to the Equitable Adjustment.”

109.7.3 Compensable Items Replace with the following: “The Contractor is entitled to compensation for the following items, with respect to agreed upon Unit or Lump Sum Prices:

1. Labor expenses for non-salaried Workers and salaried foremen.
2. Costs for Materials.
3. A markup on the totals of Items 1 and 2 of this subsection 109.7.3 for home office overhead and profit of the Contractor, its Subcontractors and suppliers, and any lower tier Subcontractors or suppliers, with no mark-ups on mark-ups.
4. Cost for Equipment, based on Blue Book Rates or leased rates, as set forth in Section 109.7.5(C), or the Contractor’s Actual Costs.
5. Costs for extended job-site overhead.
6. Time.
7. Subcontractor quoted Work, as set forth below in Section 109.7.5 (F).”

109.7.5 Force Account Work

C. Equipment

Paragraph 2, delete sentence 1 which starts; “Equipment leased...”

Paragraph 6, change sentence 2 from “The Contractor may furnish...” to read “If requested by the Department, the Contractor will produce cost data to assist the Department in the establishment of such rental rate, including all records that are relevant to the Actual Costs including rental Receipts, acquisition costs, financing documents, lease Agreements, and maintenance and operational cost records.”

Add the following paragraph; “Equipment leased by the Contractor for Force Account Work and actually used on the Project will be paid for at the actual invoice amount plus 10% markup for administrative costs.”

Add the following section;

‘F. Subcontractor Quoted Work When accomplishing Force Account Work that utilizes Subcontractor quoted Work, the Contractor will be allowed a maximum markup of 5% for profit and overhead.”

SPECIAL PROVISION SECTION 401 HOT MIX ASPHALT PAVEMENT

401.18 Quality Control Method A & B Make the following change to paragraph a. QCP Administrator; in the final sentence, change “...certified as a Plant Technician or Paving Inspector...” to “...certified as a Quality Assurance Technologist...”

401.201 Method A Under a. Lot Size, add the following; ‘Each lot will be divided into a minimum of four sublots for mix properties and five sublots for percent TMD.’”

SPECIAL PROVISION SECTION 402 PAVEMENT SMOOTHNESS

Add the following: “Projects to have their pavement smoothness analyzed in accordance with this Specification will be so noted in Special Provision 403 - Bituminous Box.”

“402.02 Lot Size Lot size for smoothness will be 1000 lane-meters [3000 lane-feet]. A subplot will consist of 20 lane-meters [50 lane-feet]. Partial lots will be included in the previous lot if less than one-half the size of a normal lot. If greater than one-half the normal lot size, it will be tested as a separate lot.”

SPECIAL PROVISION SECTION 502 STRUCTURAL CONCRETE

502.0502 Quality Assurance Method A - Rejection by Resident Change the first sentence to read: “For an individual subplot with test results failing to meet the criteria in Table #1, or if the calculated pay factor for Air Content is less than 0.80.....”

502.0503 Quality Assurance Method B - Rejection by Resident Change the first sentence to read: “For material represented by a verification test with test results failing to meet the criteria in Table #1, the Department will.....”

502.0505 Resolution of Disputed Acceptance Test Results Combine the second and third sentence to read: “Circumstances may arise, however, where the Department may”

SPECIAL PROVISION SECTION 504
REINFORCING STEEL

504.18 Plates for Fabricated Members Change the second paragraph, first sentence from: "...ASTM A 898/A 898 M..." to "...ASTM A 898/A 898 M or ASTM A 435/A 435 M as applicable and..."

SPECIAL PROVISION SECTION 535
PRECAST, PRESTRESSED CONCRETE SUPERSTRUCTURE

535.02 Materials Change "Steel Strand for Concrete Reinforcement" to "Steel Strand." Add the following to the beginning of the third paragraph; "Concrete shall be Class P conforming to the requirements in this section. 28 day compressive strength shall be as stated on the plans. Coarse aggregate...."

535.26 Lateral Post-Tensioning Replace the first paragraph; "A final tension..." with "Overstressing strands for setting losses cannot be accomplished for chuck to chuck lengths of 7.6 m [25 ft] and less. In such instances, refer to the Plans for all materials and methods. Otherwise, post-tensioning shall be in accordance with PCI standards and shall provide the anchorage force noted in the Plans. The applied jacking force shall be no less than 100% of the design jacking force."

SPECIAL PROVISION SECTION 604
MANHOLES, INLETS, AND CATCH BASINS

604.02 Materials Add the following:

"Tops and Traps	712.07
Corrugated Metal Units	712.08
Catch Basin and Manhole Steps	712.09"

SPECIAL PROVISION SECTION 615
LOAM

615.02 Materials Make the following change:

<u>Organic Content</u>	<u>Percent by Volume</u>
Humus	"5% - 10%", as determined by Ignition Test

SPECIAL PROVISION SECTION 618 SEEDING

618.01 Description Change the first sentence to read as follows: “This work shall consist of furnishing and applying seed” Also remove “,and cellulose fiber mulch” from 618.01(a).

618.03 Rates of Application In 618.03(a), remove the last sentence and replace with the following: “These rates shall apply to Seeding Method 2, 3, and Crown Vetch.”

In 618.03(c) “1.8 kg [4 lb]/unit.” to “1.95 kg [4 lb]/unit.”

618.09 Construction Method In 618.09(a) 1, sentence two, replace “100 mm [4 in]” with “25 mm [1 in] (Method 1 areas) and 50 mm [2 in] (Method 2 areas)”

618.15 Temporary Seeding Change the Pay Unit from Unit to Kg [lb].

SPECIAL PROVISION SECTION 620 GEOTEXTILES

620.03 Placement Section (c)

Title: Replace “Non-woven” in title with “Erosion Control”.

First Paragraph: Replace first word “Non-woven” with “Woven monofilament”.

Second Paragraph: Replace second word “Non-woven” with “Erosion Control”.

620.07 Shipment, Storage, Protection and Repair of Fabric Section (a)

Replace the third sentence with the following: “Damaged geotextiles, as identified by the Resident, shall be repaired immediately.”

620.09 Basis of Payment

Pay Item 620.58: Replace “Non-woven” with “Erosion Control”

Pay Item 620.59: Replace “Non-woven” with “Erosion Control”

SPECIAL PROVISION SECTION 626 HIGHWAY SIGNING

626.034 Concrete Foundations Add to the following to the end of the second paragraph: “Pre-cast and cast-in-place foundations shall be warranted against leaning and corrosion for two years after the project is completed. If the lean is greater than 2 degrees from normal or the foundation is spalling within the first two years, the Contractor shall replace the foundation at no extra cost.”

SPECIAL PROVISION SECTION 637
DUST CONTROL

637.06 Basis of Payment Add the following after the second sentence of the third paragraph: “Failure by the Contractor to follow Standard Specification or Special Provision - Section 637 and/or the Contractor’s own Soil Erosion and Pollution Control Plan concerning Dust Control and/or the Contractor’s own Traffic Control Plan concerning Dust Control and/or visible evidence of excessive dust problems, as determined by the Resident, will result in a reduction in payment, computed by reducing the Lump Sum Total by 5% per occurrence per day. The Department’s Resident or any other representative of the Department reserves the right to suspend the work at any time and request a meeting to discuss violations and remedies. The Department shall not be held responsible for any delay in the work due to any suspension under this item. Additional penalties may also be assessed in accordance with Special Provision 652 - Work Zone Traffic Control and Standard Specification 656 - Temporary Soil Erosion and Water Pollution Control.”

SPECIAL PROVISION SECTION 652
MAINTENANCE OF TRAFFIC

652.8.2 Other Items Replace the last paragraph with the following: “There will be no payment made under any 652 pay items after the expiration of the adjusted total contract time.”

SPECIAL PROVISION SECTION 656
TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL

656.5.1 If Pay Item 656.75 Provided Replace the second paragraph with the following: “Failure by the Contractor to follow Standard Specification or Special Provision - Section 656 and/or the Contractor’s own Soil Erosion and Pollution Control Plan will result in a reduction in payment, computed by reducing the Lump Sum Total by 5% per occurrence per day. The Department’s Resident or any other representative of the Department reserves the right to suspend the work at any time and request a meeting to discuss violations and remedies. The Department shall not be held responsible for any delay in the work due to any suspension under this item.”

SPECIAL PROVISION SECTION 703
AGGREGATES

703.22 Underdrain Backfill Material Change the first paragraph from “...for Underdrain Type B...” to “...for Underdrain Type B and C...”

SPECIAL PROVISION SECTION 709
REINFORCING STEEL AND WELDED STEEL WIRE FABRIC

709.03 Steel Strand Change the second paragraph from "...shall be 12mm [½ inch] AASHTO M203M/M203 (ASTM A416/A416M)..." to "...shall be 15.24 mm [0.600 inch] diameter AASHTO M203 (ASTM A416)..."

SPECIAL PROVISION SECTION 712
MISCELLANEOUS HIGHWAY MATERIALS

Add the following:

"712.07 Tops, and Traps These metal units shall conform to the plan dimensions and to the following specification requirements for the designated materials.

Gray iron castings shall conform to the requirements of AASHTO M105, Class 30, unless otherwise designated.

Carbon steel castings shall conform to the requirements of AASHTO M103/M103M. Grade shall be 450-240 [65-35] unless otherwise designated.

Structural steel shall conform to the requirements of AASHTO M183/M183M or ASTM A283/A283M, Grade B or better. Galvanizing, where specified for these units, shall conform to the requirements of AASHTO M111.

712.08 Corrugated Metal Units The units shall conform to plan dimensions and the metal to AASHTO M36/M36M. Bituminous coating, when specified, shall conform to AASHTO M190 Type A.

712.09 Catch Basin and Manhole Steps Steps for catch basins and for manholes shall conform to ASTM C478M [ASTM C478], Section 13 for either of the following material:

- (a) Aluminum steps- ASTM B221M, [ASTM B211] Alloy 6061-T6 or 6005-T5.
- (b) Reinforced plastic steps Steel reinforcing bar with injection molded plastic coating copolymer polypropylene. Polypropylene shall conform to ASTM D 4101.

712.23 Flashing Lights Flashing Lights shall be power operated or battery operated as specified.

- (a) Power operated flashing lights shall consist of housing, adapters, lamps, sockets, reflectors, lens, hoods and other necessary equipment designed to give clearly visible

signal indications within an angle of at least 45 degrees and from 3 to 90 m [10 to 300 ft] under all light and atmospheric conditions.

Two circuit flasher controllers with a two-circuit filter capable of providing alternate flashing operations at the rate of not less than 50 nor more than 60 flashes per minute shall be provided.

The lamps shall be 650 lumens, 120 volt traffic signal lamps with sockets constructed to properly focus and hold the lamp firmly in position.

The housing shall have a rotatable sun visor not less than 175 mm [7 in] in length designed to shield the lens.

Reflectors shall be of such design that light from a properly focused lamp will reflect the light rays parallel. Reflectors shall have a maximum diameter at the point of contact with the lens of approximately 200 mm [8 in].

The lens shall consist of a round one-piece convex amber material which, when mounted, shall have a visible diameter of approximately 200 mm [8 in]. They shall distribute light and not diffuse it. The distribution of the light shall be asymmetrical in a downward direction. The light distribution of the lens shall not be uniform, but shall consist of a small high intensity portion with narrow distribution for long distance throw and a larger low intensity portion with wide distribution for short distance throw. Lenses shall be marked to indicate the top and bottom of the lens.

(b) Battery operated flashing lights shall be self-illuminated by an electric lamp behind the lens. These lights shall also be externally illuminated by reflex-reflective elements built into the lens to enable it to be seen by reflex-reflection of the light from the headlights of oncoming traffic. The batteries must be entirely enclosed in a case. A locking device must secure the case. The light shall have a flash rate of not less than 50 nor more than 60 flashes per minute from minus 30 °C [minus 20 °F] to plus 65 °C [plus 150 °F]. The light shall have an on time of not less than 10 percent of the flash cycle. The light beam projected upon a surface perpendicular to the axis of the light beam shall produce a lighted rectangular projection whose minimum horizontal dimension shall be 5 degrees each side of the horizontal axis. The effective intensity shall not have an initial value greater than 15.0 candelas or drop below 4.0 candelas during the first 336 hours of continuous flashing. The illuminated lens shall appear to be uniformly bright over its entire illuminated surface when viewed from any point within an angle of 9 degrees each side of the vertical axis and 5 degrees each side of the horizontal axis. The lens shall not be less than 175 mm [7 in] in diameter including a reflex-reflector ring of 13 mm [½ in] minimum width around the periphery. The lens shall be yellow in color and have a minimum relative luminous transmittance of 0.440 with a luminance of 2854° Kelvin. The lens shall be one-piece construction. The lens material shall be plastic and meet the luminous transmission requirements of this specification. The case containing the batteries and

circuitry shall be constructed of a material capable of withstanding abuse equal to or greater than 1.21 mm thick steel [No. 18 U.S. Standard Gage Steel]. The housing and the lens frame, if of metal shall be properly cleaned, degreased and pretreated to promote adhesion. It shall be given one or more coats of enamel which, when dry shall completely obscure the metal. The enamel coating shall be of such quality that when the coated case is struck a light blow with a sharp tool, the paint will not chip or crack and if scratched with a knife will not powder. The case shall be so constructed and closed as to exclude moisture that would affect the proper operation of light. The case shall have a weep hole to allow the escape of moisture from condensation. Photoelectric controls, if provided, shall keep the light operating whenever the ambient light falls below 215 lx [20 foot candles]. Each light shall be plainly marked as to the manufacturer's name and model number.

If required by the Resident, certification as to conformance to these specifications shall be furnished based on results of tests made by an independent testing laboratory. All lights are subject to random inspection and testing. All necessary random samples shall be provided to the Resident upon request without cost to the Department. All such samples shall be returned to the Contractor upon completion of the tests.

712.32 Copper Tubing Copper tubing and fittings shall conform to the requirements of ASTM B88M Type A [ASTM B88, Type K] or better.

712.33 Non-metallic Pipe, Flexible Non-metallic pipe and pipe fittings shall be acceptable flexible pipe manufactured from virgin polyethylene polymer suitable for transmitting liquids intended for human or animal consumption.

712.34 Non-metallic Pipe, Rigid Non-metallic pipe shall be Schedule 40 polyvinylchloride (PVC) that meets the requirement of ASTM D1785. Fittings shall be of the same material.

712.341 Metallic Pipe Metallic pipe shall be ANSI, Standard B36.10, Schedule 40 steel pipe conforming to the requirements of ASTM A53 Types E or S, Grade B. End plates shall be steel conforming to ASTM A36/A36M.

Both the sleeve and end plates shall be hot dip galvanized. Pipe sleeve splices shall be welded splices with full penetration weld before galvanizing.

712.35 Epoxy Resin Epoxy resin for grouting or sealing shall consist of a mineral filled thixotropic, flexible epoxy resin having a pot life of approximately one hour at 10°C [50°F]. The grout shall be an approved product suitable for cementing steel dowels into the preformed holes of curb inlets and adjacent curbing. The sealant shall be an approved product, light gray in color and suitable for coating the surface.

712.36 Bituminous Curb The asphalt cement for bituminous curb shall be of the grade required for the wearing course, or shall be Viscosity Grade AC-20 meeting the current requirements of Subsection 702.01 Asphalt Cement. The aggregate shall conform to the requirements of Subsection 703.07. The coarse aggregate portion retained on the 2.36 mm [No. 8] sieve may be either crushed rock or crushed gravel.

The mineral constituents of the bituminous mixture shall be sized and graded and combined in a composite blend that will produce a stable durable curbing with an acceptable texture. Bituminous material for curb shall meet the requirements of Section 403 - Hot Bituminous Pavement.

712.37 Precast Concrete Slab Portland cement concrete for precast slabs shall meet the requirements of Section 502 - Structural Concrete, Class A.

The slabs shall be precast to the dimension shown on the plans and cross section and in accordance with the Standard Detail plans for Concrete Sidewalk Slab. The surface shall be finished with a float finish in accordance with Subsection 502.14(c). Lift devices of sufficient strength to hold the slab while suspended from cables shall be cast into the top or back of the slab.

712.38 Stone Slab Stone slabs shall be of granite from an acceptable source, hard, durable, predominantly gray in color, free from seams which impair the structural integrity and be of smooth splitting character. Natural color variations characteristic of the deposit will be permitted. Exposed surfaces shall be free from drill holes or indications of drill holes. The granite slabs in any one section of backslope must be all the same finish.

The granite slabs shall be scabble dressed or sawed to an approximately true plane having no projections or depressions over 13 mm [½ in] under a 600 mm [2 ft] straightedge or over 25 mm [1 in] under a 1200 mm [4 ft] straightedge. The arris at the intersection of the top surface and exposed front face shall be pitched so that the arris line is uniform throughout the length of the installed slabs. The sides shall be square to the exposed face unless the slabs are to be set on a radius or other special condition which requires that the joints be cut to fit, but in any case shall be so finished that when the stones are placed side by side no space more than 20 mm [¾ in] shall show in the joint for the full exposed height.

Liftpin holes in all sides will be allowed except on the exposed face.

SPECIAL PROVISION SECTION 717 ROADSIDE IMPROVEMENT MATERIAL

717.05 Mulch Binder. Change the third sentence to read as follows:

“Paper fiber mulch may be used as a binder at the rate of 2.3 kg/unit [5 lb/unit].”

SPECIAL PROVISIONS
SECTION 104
Utilities

MEETING

A Preconstruction Utility Conference, as defined in Subsection 104.4.6 of the Standard Specifications is required.

GENERAL INFORMATION

These Special Provisions outline the arrangements that have been made by the Department for utility and/or railroad work to be undertaken in conjunction with this project. The following list identifies all known utilities or railroads having facilities presently located within the limits of this project or intending to install facilities during project construction

Overview:

Utility/Railroad	Aerial	Underground	Railroad
Bangor Hydro-Electric	X	X	
Verizon	X	X	

Temporary utility adjustments are **not** anticipated.

Unless otherwise specified, any underground utility facilities shown on the project plans represent approximate locations gathered from available information. The Department cannot certify the level of accuracy of this data. Underground facilities indicated on the topographic sheets (plan views) have been collected from historical records and/or on-site designations provided by the respective utility companies. Underground facilities indicated on the cross-sections have been carried over from the plan view data and may also include further approximations of the elevations (depths) based upon straight-line interpolation from the nearest manholes, gate valves, or test pits.

All adjustments are to be made by the respective utility unless otherwise specified herein.

All clearing and tree removal in areas where utilities are involved must be completed before the utilities are able to relocate their facilities.

Town: **Mt. Desert**
 Project: **9814.00**
 Date: **January 26, 2004**

AERIAL

Summary:

Utility	Pole Set	New Wires/ Cables	Trans. Wires/ Cables	Remove Poles	Estimated Working Days
Verizon	X		X	X	23
Bangor Hydro-Electric Company			X		15
Total:					38

Utility Specific Issues:

Bangor Hydro-Electric Company **Bob Peasley** **(207)973-2518**

Verizon **Dave Levitt** **(207)990-5239**

Additional poles not listed below may need to be moved for alignment purposes, as determined by the utility company. As stated in general notes, blasting and cleaning will need to be done at station 113+49, 114+81, and 117+42 before those poles can be reset, which must be done before the remaining blasting can be done.

Pole List:

Existing Pole #	Existing Station	Left/ Right		Existing Offset	Proposed Station	Left/ Right		Proposed Offset	Comments
		LT	RT			LT	RT		
40/91	113+19	X		23'	113+49	X		22'	New Ledge Ditch
253d/90	114+51	X		20'	114+81	X		22'	New Ledge Ditch
89	117+12	X		20'	117+42	X		22'	New Ledge Ditch
87	121+16	X		19'	121+16	X		22-25'	Ditch Area
253/85	126+13	X		19'	126+13	X		22-25'	Ditch Area
83	130+97	X		22'	130+97	X		22-25'	Ditch Area
78x	143+67	X		17'	143+67	X		22-25'	Ditch Area
40/77 1/3	143+91		X	19'	143+91		X	22-25'	Ditch Area
77 1/2 (old)	145+63		X	18'	145+63		X	21-25'	Guardrail
77 1/2 (new)	145+69	X		19'	145+69	X		21-25'	Guardrail

SPECIAL PROVISIONS
SECTION 104
Utilities

MEETING

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GENERAL INFORMATION

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Overview:

Utility/Railroad	Aerial	Underground	Railroad
Adelphia	X		
Bangor Hydro-Electric	X		
Verizon	X	X	
Town of Bar Harbor		X	

Temporary utility adjustments are **not** anticipated.

Unless otherwise specified, any underground utility facilities shown on the project plans represent approximate locations gathered from available information. The Department cannot certify the level of accuracy of this data. Underground facilities indicated on the topographic sheets (plan views) have been collected from historical records and/or on-site designations provided by the respective utility companies. Underground facilities indicated on the cross-sections have been carried over from the plan view data and may also include further approximations of the elevations (depths) based upon straight-line interpolation from the nearest manholes, gate valves, or test pits.

All adjustments are to be made by the respective utility unless otherwise specified herein.

Fire hydrants shall not be disturbed until all necessary work has been accomplished to provide proper fire protection.

Town: **Bar Harbor**
Project: **11168.00**
Date: **January 26, 2004**

AERIAL

Summary:

Utility	Pole Set	New Wires/ Cables	Trans. Wires/ Cables	Remove Poles	Estimated Working Days
Adelphia			X		3
Bangor Hydro-Electric Company	X		X	X	3
Verizon		X	X	X	3
Total:					9

Utility Specific Issues:

Adelphia Steve Bossie 1-877-500-1055 Ext. 2421

Bangor Hydro-Electric Company Bob Peasley (207)973-2518

Verizon **Dave Levitt** **(207)990-5239**

Two existing poles will be eliminated; wires will be transferred to other existing poles which are not in conflict.

Pole List:

[illegible]

Town: **Bar Harbor**
Project: **11168.00**
Date: **January 26, 2004**

SUBSURFACE

Summary:

Utility	Summary of Work	Estimated Working Days
Town of Bar Harbor	Adjusting MH and Shut-offs to grade	4
NET/Verizon	Adjusting 2 Manholes	4
Total:		8

Utility Specific Issues:

Town of Bar Harbor

Chip Reeves

(207) 288-3555

There will be 2 water shut-offs which will need to be adjusted to grade, and 4 Sewer Manholes which will need to be adjusted to grade.

Verizon/NET

Dave Levitt

(207)990-5239

Two existing NET Manholes will need to be adjusted to grade – one is located in the pavement, one in the grass area. Verizon would like at least one weeks notice before paving.

SPECIAL PROVISIONS
SECTION 104
Utilities

MEETING

A Preconstruction Utility Conference, as defined in Subsection 104.4.6 of the Standard Specifications is required.

GENERAL INFORMATION

These Special Provisions outline the arrangements that have been made by the Department for utility and/or railroad work to be undertaken in conjunction with this project. The following list identifies all known utilities or railroads having facilities presently located within the limits of this project or intending to install facilities during project construction

Overview:

Utility/Railroad	Aerial	Underground	Railroad
Adelphia	X		
Bangor Hydro-Electric	X		
Verizon	X		
Town of Bar Harbor		X	

Temporary utility adjustments are **not** anticipated.

Unless otherwise specified, any underground utility facilities shown on the project plans represent approximate locations gathered from available information. The Department cannot certify the level of accuracy of this data. Underground facilities indicated on the topographic sheets (plan views) have been collected from historical records and/or on-site designations provided by the respective utility companies. Underground facilities indicated on the cross-sections have been carried over from the plan view data and may also include further approximations of the elevations (depths) based upon straight-line interpolation from the nearest manholes, gate valves, or test pits.

All adjustments are to be made by the respective utility unless otherwise specified herein.

Fire hydrants shall not be disturbed until all necessary work has been accomplished to provide proper fire protection.

Town: **Bar Harbor**
 Project: **11265.00**
 Date: **January 26, 2004**

AERIAL

Summary:

Utility	Pole Set	New Wires/ Cables	Trans. Wires/ Cables	Remove Poles	Estimated Working Days
Bangor Hydro-Electric Company			X		1
Verizon	X		X		2
Total:					3

Utility Specific Issues:

Adelphia

Steve Bossie

1-877-500-1055 Ext. 2421

No Adelphia impact is expected.

Bangor Hydro-Electric Company

Bob Peasley

(207)973-2518

Verizon

Dave Levitt

(207)990-5239

Verizon would like at least 48 hours advance notice before blasting is done at the pole location. This will enable them to arrange for holding of the pole during blasting, and setting of the pole once the ledge is cleaned out.

Pole List:

Existing Pole #	Existing Station	Left/Right		Existing Offset	Proposed Station	Left/Right		Proposed Offset	Comments
		LT	RT			LT	RT		
14 1/2	5401+84		X	28'	5401+84		X	28'	Ledge blasting area

Town: **Bar Harbor**
Project: **11265.00**
Date: **January 26, 2004**

SUBSURFACE

Summary:

Utility	Summary of Work	Estimate d Working Days
Town of Bar Harbor	Adjusting MH and Shut -offs to grade	29
Total:		29

Utility Specific Issues:

Town of Bar Harbor **Chip Reeves** **(207) 288-3555**
There will be 10 water shut-offs which will need to be adjusted to grade, and 29 Sewer
Manholes which will need to be adjusted to grade.

Town: Mt Desert
PIN #: 9814.0
Date: 2/19/04

SPECIAL PROVISION
SECTION 105
General Scope of Work
(Environmental Requirements)

Instream Work shall not be allowed between the dates of 10/2 and 4/30.
(Instream work is allowed from 5/1 to 10/1.)

Stream Name(s) with Station #s: Unnamed Stream **Station 145+70 Pin 9814.00**

Special Conditions: Instream work shall be conducted during low flows.

- Adequate sedimentation and erosion control devices should be used.
- All exposed soil will be promptly seeded and mulched
- A Copy of the ACOE permit shall be on the work site whenever work is being performed
- Replacement culvert shall be installed with it's invert at or below existing stream bed grade.

Instream work consists of any activity conducted below the normal high water mark.

During the instream work window restriction, all activities are prohibited (including placement and removal of cofferdams) below the normal high water mark and during high flow conditions, except for the following:

- Work within a sealed and dewatered cofferdam. Maintenance pumping within a sealed cofferdam is also allowed.

No construction activity, whether temporary or permanent, is allowed that completely blocks a river, stream, or brook without providing downstream flow.

The contractor shall abide by all permits and conditions.

- Dredge Material (See MDOT Standard Specifications § 101.2) is regulated as a Special Waste. Fifty cubic yards or less of Dredge Material **Beneficially Used in the area adjacent to and draining into the dredged water body** is exempt from Beneficial Use Permits. The Contractor shall ensure that Dredge Material is placed into the fill areas specified by MDOT. No more than the fifty cubic yards (38 cubic meters) of Dredge Material may be excavated without authorization from the Resident. Any Dredge Material not Beneficial Used (excess Dredge Material) shall be disposed of at a landfill licensed by the Maine Department of Environmental Protection to accept Special Waste. The Contractor shall be responsible for making all necessary arrangements for dewatering and proper disposal of the Dredge Material, including any additional laboratory testing, in accordance with the landfill's license. The Contractor shall provide documentation to the Resident that any such Dredge Material was disposed of as specified.

SPECIAL PROVISION
SECTION 107
SCHEDULING OF WORK

Replace Section 107.4.2 with the following:

"107.4.2 Schedule of Work Required Within 21 Days of Contract Execution and before beginning any on-site activities, the Contractor shall provide the Department with its Schedule of Work. The Contractor shall plan the Work, including the activity of Subcontractors, vendors, and suppliers, such that all Work will be performed in Substantial Conformity with its Schedule of Work. The Schedule must include sufficient time for the Department to perform its functions as indicated in this Contract, including QA inspection and testing, approval of the Contractor's TCP, SEWPCP and QCP, and review of Working Drawings.

At a minimum, the Schedule of Work shall include a bar chart which shows the major Work activities, milestones, durations, and a timeline. Milestones to be included in the schedule include: (A) start of Work, (B) beginning and ending of planned Work suspensions, (C) Completion of Physical Work, and (D) Completion. If the Contractor Plans to Complete the Work before the specified Completion date, the Schedule shall so indicate.

Any restrictions that affect the Schedule of Work such as paving restrictions or In-Stream Work windows must be charted with the related activities to demonstrate that the Schedule of Work complies with the Contract.

The Department will review the Schedule of Work and provide comments to the Contractor within 20 days of receipt of the schedule. The Contractor will make the requested changes to the schedule and issue the finalized version to the Department."

009814.00, 011168.00

011265.00, 011268.00

SPECIAL PROVISION

SECTION 107

Time

(Contract Time)

- 1. The Contractor will be allowed to commence work at any time after March 15, 2004 providing that all applicable plans required under this contract have been submitted and approved.**
- 2. For every weekday not worked once operation commences, (excluding inclement weather days) the Contractor will be charged supplemental Liquidated Damages at the rate of \$950.00 per day.**
- 3. All work shall be completed by June 26, 2004.**
- 4. In the event the Contract is not completed on time the Contractor will stop all work on July 2, 2004 and will not be allowed to commence work until July 6, 2004.**

SPECIAL PROVISION
SECTION 401
HOT MIX ASPHALT
($\frac{3}{4}$ inch (20mm) Surface Treatment)

Description The Contractor shall furnish and place one or more courses of Hot Mix Asphalt (HMA) pavement on an approved base in accordance with the Contract documents and in reasonably close conformity with the lines, grades, thicknesses and typical cross sections shown on the plans or established. The Department shall accept this work under Quality Assurance provisions as specified in Standard Specifications Section 401 – Hot Mix Asphalt Pavement, and Standard Specifications Section 106 - Quality.

The 20 mm [$\frac{3}{4}$ in] HMA Surface Course shall meet all of the Materials, Seasonal Limitations and Construction requirements of Section 401, with the following additions and changes.

GRADATION REQUIREMENTS

Sieve Size	Percent Passing
12.5 mm	100
9.5 mm	95-100
4.75 mm	-95
2.36 mm	32-67
1.18 mm	-
0.600 mm	-
0.300 mm	-
0.075 mm	2-10

VOLUMETRIC DESIGN CRITERIA

Voids at N _{des}	4.0
VMA	15.0 minimum
VFB	65-80
Fines/Eff.Binder	0.6-1.2

A test strip at a nominal depth of 30mm [$1\frac{1}{4}$ in], full lane width, shall be required if the JMF has not been used or approved on a MDOT project in the current calendar year. If a test strip is required, it shall conform to the following requirements:

On roads open to two way traffic, the test strip shall be placed over the full width of the travel way section, not to exceed 600 meters [2000 ft] in length, or 400 Mg [440 ton] production. Prior to the placement of the test strip a passing verification test is required. A fog coat of Item 409.15, Bituminous Tack Coat, shall be applied to the level course prior to the placement of the 20mm Surface Treatment Course, payment to be made under the 409.15 pay item.

The test strip **shall not** be excluded from QA analysis, but will be evaluated in accordance with Section 401.03. The Contractor shall notify the Department at least 48 hours in advance of placing

the test strip. The test strip is intended to allow the Contractor to establish a method of compaction for the 20mm [$\frac{3}{4}$ in] surface course areas. Once the methods are established, rolling patterns, equipment, and methods will become part of the QCP. The test strip will allow for any necessary adjustments to the mix design and or plant mixing procedures, as well as for the Department to evaluate the quality of the pavement.

Mix samples and cores will be obtained from the test strip. A minimum of three mix samples shall be randomly selected from the test strip. Five cores shall be randomly sampled from the mat and tested for density verification. Should the resulting core values average less than 92.0% TMD, (average of 5 tests), the Department will reject the strip. The Contractor will remove and replace rejected test strips at their expense. After completion of the test strip, the Contractor shall make any final adjustments to the job mix formula in accordance to Standard Specifications, Section 401, subsection 401.03 - Composition of Mixtures, or compaction method. Paving operations shall not resume until the Contractor and the Department determines that material meeting the Contract requirements can be produced, and any changes to the Job Mix Formula have been approved by the Department. The Department shall pay for an accepted test strip as determined Section 401.222 – Pay Factor A and B, for this item. A new test strip shall be required if a current lot is terminated or completed, and a new lot is started.

The Department may halt the production and placement of the 20mm [$\frac{3}{4}$ in] HMA Surface Course and require the construction of a new test strip if the Department finds that material being produced, hauled, or placed does not meet the requirements of Sections 401.08 through 401.18.

The Contractor shall sample, test, and evaluate Hot Mix Asphalt Pavement in accordance with the minimum frequencies outlined in Section 401, Table 2: Minimum Quality Control Frequencies.

The Contractor shall monitor plant production using running average of three control charts as specified in Section 106, and Control Limits as specified in Section 401, Table 3: Control Limits.

The Acceptance Criteria shall be as specified in Section 401, Table 4: Acceptance Criteria.

The Acceptance Limit targets will be as specified on the JMF, and the Department will use the appropriate Acceptance Limits table from Section, Table 5: Method A, or Table 7: Method B and C, for the acceptance method noted in the Special Provision 403.

The Contractor shall cease paving operations whenever one of the following occurs on a lot in progress:

- a) The Pay Factor for VMA, Voids @ N_d , Percent PGAB, composite gradation, VFB, fines to effective binder or density using all Acceptance or all Quality Control tests for the current lot is less than 0.85.
- b) The Coarse Aggregate Angularity or Fine Aggregate Angularity value falls below the requirements of Section 703.07 , Table 3, for the design traffic level.
- c) Each of the first 2 control tests for the lot fall outside the upper or lower limits for VMA, Voids @ N_d , or Percent PGAB. This includes any case where both tests are out on the same, or different properties.

- d) The Flat and Elongated Particles value exceeds 10 percent by ASTM D-4791.
- e) There is any visible damage to the aggregate due to over-densification other than on variable depth shim courses.
- f) The Contractor fails to follow the approved QCP.
- g) The Contractors control chart shows the process to be out of control on any property listed in Section 401, subsection 401.18 , Table 3: Control Limits

Price Adjustment The Department will apply price adjustments for the Hot Mix Asphalt utilized under this Special Provision as outlined in Section 401.222 : Pay Factor for methods A and B; mixes with Volumetric Property requirements.

Dispute Resolution The Contractor may dispute an acceptance test for this item as outlined in Section 401.223 for PGAB, Air Void, and VMA Content only.

Method of Measurement The Department will measure Hot Mix Asphalt pavement by the megagram in accordance with Section 109 - Measurement and Payment.

Basis of Payment The Department will pay for the Work, in place and accepted, in accordance with the applicable sections of the Special Provisions at the contract unit price per megagram(ton).

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
403.210 9.5mm Hot Mix Asphalt Pavement	Megagram (ton)

SPECIAL PROVISION
SECTION 403
HOT MIX ASPHALT OVERLAY

Desc. of Course	Grad. Design	Item Number	Bit Cont. % of Mix	Total Thick	No. of Layers	Comp. Notes
<u>¾" Surface Treatment</u>						
<u>Mainline Travelway and Shoulders</u>						
Wearing	9.5mm	403.210	N/A	¾"	1	4,7,20,22
Shim	9.5mm	403.211	N/A	variable	1/more	2,4,7,10,20
<u>Mainline Travelway - Overlay</u>						
Wearing	9.5mm	403.210	N/A	1 ¼"	1	4,7
Shim	9.5mm	403.211	N/A	variable	1/more	2,4,7,10,20
<u>Shoulder Box Sections w/ Granite Curb</u>						
Wearing	9.5mm	403.210	N/A	1 ¼"	1	4,7
Base	12.5mm	403.213	N/A	1 ¾"	1/more	4,9,17
<u>Shoulder Reconstruct and Rehab. Areas</u>						
Wearing	9.5mm	403.210	N/A	2"	1	4,7
<u>Drives, Misc.</u>						
Wearing	9.5mm	403.209	N/A	1 ¼" – 2"	1/more	2,3,9,10,13

COMPLEMENTARY NOTES

2. The density requirements are waived.
3. The design traffic level for mix placed shall be <0.3 million ESALS.
4. The design traffic level for mix placed shall be 0.3 to <3 million ESALS.
7. Section 106.6 Acceptance, (1) Method A.
9. Section 106.6 Acceptance, (2) Method C.
10. A "FINE" 9.5 mm mix with a gradation above or through the restricted zone shall be used for this item.
13. A mixture meeting the requirements of section 703.09 Grading 'D', with a minimum PGAB content of 6%, and the limits of Special Provision 401, Table 9 (Drives and Sidewalks) for PGAB content and gradation may be substituted for this item. A job mix formula shall be submitted to the department for approval.
17. The density requirements are as per Specification 401, Method C.
20. The Contractor may place the specified HMA pavement course, not to exceed ¾ inch (20mm) compacted depth, over the full single travel lane width, for each production day. If this option is utilized the Contractor will be required to place a matching course of HMA over the adjacent section of travel lane before the end of the following calendar day. The Contractor will also be responsible for installing additional warning signage that clearly defines the centerline elevation differential hazard, as well as additional centerline delineation such as double RPM application, or temporary painted line. The Traffic Control Plan shall be amended to include this option and the additional requirements. All signs and traffic control devices will conform to Section 719.01, and Section 652, and will be installed prior to the work, at a maximum spacing of 0.50 mile [0.80 km] for the entire length of the effected roadway section. On roadways with two-way traffic, the Contractor will be required to place the specified course over the full width of the mainline traveled way being

**Mount Desert
PHLD-9814(00)X
Hot Mix Asphalt Overlay
February 27, 2004**

paved prior to opening the sections to weekend or holiday traffic. If this option is utilized, all additional signing, labor, traffic control devices, or incidentals will not be paid for directly, but will be considered incidental to the appropriate 652 items.

22. See Special Provision 401 - 20mm Surface Treatment for project specifics.

Tack Coat

A tack coat of emulsified asphalt, RS-1 or HFMS-1, Item 409.15 shall be applied to any existing pavement at a rate of approximately 0.025 gal/yd², and on milled pavement approximately 0.05 gal/yd², prior to placing a new course. A fog coat of emulsified asphalt shall be applied between shim / intermediate course and the surface course, at a rate not to exceed 0.025 gal/yd².

Tack used between layers of pavement will be paid for at the contract unit price for Item 409.15 Bituminous Tack Coat.

SPECIAL PROVISION
SECTION 403
HOT MIX ASPHALT OVERLAY

Desc. of Course	Grad. Design	Item Number	Bit Cont. % of Mix	Total Thick	No. of Layers	Comp. Notes
<u>Mainline Travelway and Shoulders - Overlay</u>						
Wearing	9.5mm	403.210	N/A	1 ¼"	1	4,7
Shim	9.5mm	403.211	N/A	variable	1/more	4,7,10
<u>Island Removal / Widening</u>						
<u>Turn Lane Areas</u>						
Base	12.5mm	403.213	N/A	3" +/-	1/more	4,9,17
<u>Sidewalks, Drives, Islands, Misc.</u>						
Wearing	9.5mm	403.209	N/A	1 ¼" – 2"	1/more	2,3,9,10,13

COMPLEMENTARY NOTES

2. The density requirements are waived.
3. The design traffic level for mix placed shall be <0.3 million ESALS.
4. The design traffic level for mix placed shall be 0.3 to <3 million ESALS.
7. Section 106.6 Acceptance, (1) Method A.
9. Section 106.6 Acceptance, (2) Method C.
10. A **"FINE"** 9.5 mm mix with a gradation above or through the restricted zone shall be used for this item.
13. A mixture meeting the requirements of section 703.09 Grading 'D', with a minimum PGAB content of 6%, and the limits of Special Provision 401, Table 9 (Drives and Sidewalks) for PGAB content and gradation may be substituted for this item. A job mix formula shall be submitted to the department for approval.
17. The density requirements are as per Specification 401, Method C.

Tack Coat

A tack coat of emulsified asphalt, RS-1 or HFMS-1, Item 409.15 shall be applied to any existing pavement at a rate of approximately 0.025 gal/yd², and on milled pavement approximately 0.05 gal/yd², prior to placing a new course. A fog coat of emulsified asphalt shall be applied between shim / intermediate course and the surface course, at a rate not to exceed 0.025 gal/yd².

Tack used between layers of pavement will be paid for at the contract unit price for Item 409.15 Bituminous Tack Coat.

SPECIAL PROVISION
SECTION 403
HOT MIX ASPHALT OVERLAY

Desc. of Course	Grad. Design	Item Number	Bit Cont. % of Mix	Total Thick	No. of Layers	Comp. Notes
<u>Mainline Travelway - Overlay</u>						
Wearing	9.5mm	403.210	N/A	1 1/4"	1	4,7
Shim	9.5mm	403.211	N/A	variable	1/more	4,7
<u>Reconstruction Area</u>						
<u>Mainline Travelway and Shoulders</u>						
Wearing	9.5mm	403.210	N/A	1 1/4"	1	4,7
Base	12.5mm	403.213	N/A	2 3/4"	1/more	4,9,11,17
<u>Drives, Misc.</u>						
Wearing	9.5mm	403.209	N/A	1 1/4" – 2"	1/more	2,3,9,10,13

COMPLEMENTARY NOTES

2. The density requirements are waived.
3. The design traffic level for mix placed shall be <0.3 million ESALS.
4. The design traffic level for mix placed shall be 0.3 to <3 million ESALS.
7. Section 106.6 Acceptance, (1) Method A.
9. Section 106.6 Acceptance, (2) Method C.
10. A "FINE" 9.5 mm mix with a gradation above or through the restricted zone shall be used for this item.
11. A mixture meeting the gradation of 19.0mm hot mix asphalt may be used at the option of the contractor.
13. A mixture meeting the requirements of section 703.09 Grading 'D', with a minimum PGAB content of 6%, and the limits of Special Provision 401, Table 9 (Drives and Sidewalks) for PGAB content and gradation may be substituted for this item. A job mix formula shall be submitted to the department for approval.
17. The density requirements are as per Specification 401, Method C.

Tack Coat

A tack coat of emulsified asphalt, RS-1 or HFMS-1, Item 409.15 shall be applied to any existing pavement at a rate of approximately 0.025 gal/yd², and on milled pavement approximately 0.05 gal/yd², prior to placing a new course. A fog coat of emulsified asphalt shall be applied between shim / intermediate course and the surface course, at a rate not to exceed 0.025 gal/yd².

Tack used between layers of pavement will be paid for at the contract unit price for Item 409.15 Bituminous Tack Coat.

SPECIAL PROVISION
SECTION 403
HOT MIX ASPHALT OVERLAY

Desc. of Course	Grad. Design	Item Number	Bit Cont. % of Mix	Total Thick	No. of Layers	Comp. Notes
<u>¾" Surface Treatment</u>						
<u>Mainline Travelway and Shoulders</u>						
Wearing	9.5mm	403.210	N/A	¾"	1	4,7,20,22
Shim	9.5mm	403.211	N/A	variable	1/more	2,4,7,10,20
<u>Drives, Misc.</u>						
Wearing	9.5mm	403.209	N/A	¾" – 2"	1/more	2,3,9,10,13

COMPLEMENTARY NOTES

2. The density requirements are waived.
3. The design traffic level for mix placed shall be <0.3 million ESALS.
4. The design traffic level for mix placed shall be 0.3 to <3 million ESALS.
7. Section 106.6 Acceptance, (1) Method A.
9. Section 106.6 Acceptance, (2) Method C.
10. A **"FINE"** 9.5 mm mix with a gradation above or through the restricted zone shall be used for this item.
13. A mixture meeting the requirements of section 703.09 Grading 'D', with a minimum PGAB content of 6%, and the limits of Special Provision 401, Table 9 (Drives and Sidewalks) for PGAB content and gradation may be substituted for this item. A job mix formula shall be submitted to the department for approval.
17. The density requirements are as per Specification 401, Method C.
20. The Contractor may place the specified HMA pavement course, not to exceed ¾ inch (20mm) compacted depth, over the full single travel lane width, for each production day. If this option is utilized the Contractor will be required to place a matching course of HMA over the adjacent section of travel lane before the end of the following calendar day. The Contractor will also be responsible for installing additional warning signage that clearly defines the centerline elevation differential hazard, as well as additional centerline delineation such as double RPM application, or temporary painted line. The Traffic Control Plan shall be amended to include this option and the additional requirements. All signs and traffic control devices will conform to Section 719.01, and Section 652, and will be installed prior to the work, at a maximum spacing of 0.50 mile [0.80 km] for the entire length of the effected roadway section. On roadways with two-way traffic, the Contractor will be required to place the specified course over the full width of the mainline traveled way being paved prior to opening the sections to weekend or holiday traffic. If this option is utilized, all additional signing, labor, traffic control devices, or incidentals will not be paid for directly, but will be considered incidental to the appropriate 652 items.
22. See Special Provision 401 - 20mm Surface Treatment for project specifics.

Tack Coat

A tack coat of emulsified asphalt, RS-1 or HFMS-1, Item 409.15 shall be applied to any existing pavement at a rate of approximately 0.025 gal/yd², and on milled pavement approximately 0.05 gal/yd², prior to placing a new course. A fog coat of emulsified asphalt shall be applied between shim / intermediate course and the surface course, at a rate not to exceed 0.025 gal/yd².

Tack used between layers of pavement will be paid for at the contract unit price for Item 409.15 Bituminous Tack Coat.

SPECIAL PROVISION
SECTION 608

DETECTABLE WARNINGS
(Masonry Pavers)

Description: This work includes the installation of detectable warnings on concrete and/or asphalt curb ramps at the locations shown in the plans and in accordance with the plans or as established by Project Personnel.

Materials:

General All base courses and joints shall conform to the applicable subsections of Division 700 of the Standard Specifications.

The Contractor shall provide new, vacuum dry-pressed, bevel-edged and kiln-fired, solid (uncored), hard-burned, frost-free, masonry pavers complying with the requirements of ASTM C902, Class SX, Application PS, with the following modifications:

- (a) The maximum absorption limit shall be 8 percent for the average of five bricks.
- (b) The minimum compressive strength shall not be less than 8,000 pounds per square inch.
- (c) The modulus of rupture shall not be less than 1,000 pounds per square inch.
- (d) The bricks shall be No. 1, water struck type for paving.

A. Samples and Submittals:

- 1. The following list is provided for information only, and does not limit the Contractor to the use of only these suppliers. However, the Contractor shall submit a sample of the product, the name of the selected supplier, and color samples to the Project Personnel for approval prior to start of work.

Vendor Name	Product	Phone Numbers
Whitacre-Greer c/o Brooks Brick Co.	Masonry Pavers	(207) 989-3318
Endicott Clay Products	Masonry Pavers	(402) 729-3315

B. Masonry pavers and sand bedding shall conform to the following material requirements:

1. Detectable warnings on curb ramps shall be truncated domes of the dimensions shown in the plans. Domes shall be prefabricated by the manufacturer as a pattern on masonry pavers.
2. Pavers shall meet all Americans with Disabilities Act Accessibility Guidelines (ADAAG) requirements for truncated domes, and when installed, shall be capable of producing the pattern of domes as shown in the plans. Pavers shall meet the requirements of ASTM C 902 or ASTM C 936.
3. The domes and the underlying surface shall have a minimum of 70% contrast with the light reflectivity of the adjoining surface as specified under the Americans with Disabilities Act Accessibility Guidelines (ADAAG) requirements for truncated domes.
4. The contrast shall be achieved by adding pigment during the fabrication of the pavers. Prior to start of work, the Contractor shall submit appropriate documentation from the manufacturer verifying that the contrast has been met, along with a sample paver, to the Project Personnel for approval.
5. Bedding and joint sand shall be free of deleterious or foreign matter. The sand shall be natural or manufactured from crushed rock. Limestone screenings or stone dust shall not be used. Sand for bedding material shall conform to ASTM C 33. Sand that is to be placed between joints shall conform to ASTM C 144.

CONSTRUCTION REQUIREMENTS

General: Pre-fabricated masonry pavers for detectable warnings shall be brought to the site in steel banded, plastic banded or plastic wrapped cubes capable of being transported by a fork lift or clamp lift. Pavers shall be carefully removed and stacked in a manner that results in the least amount of damage. All pavers that are damaged during transport or delivery will be rejected and shall be replaced at the Contractor's expense. Minor cracks or chipping due to transport and handling that do not interfere with the structural integrity of the pavers or the overall pattern of truncated domes will not be deemed as grounds for rejection.

Placing:

A. Sand Setting Bed:

1. The Contractor shall spread the bedding sand evenly in the defined area and shall screed the sand to a depth of $\frac{3}{4}$ " to $1\frac{1}{2}$ " over a compacted gravel base.

B. Paver Installation:

1. Pavers shall be placed in a running bond pattern. Domes shall be aligned to create a square grid in the predominant direction of travel as shown in the plans. Pavers shall be installed such that the base of the truncated dome is at the same elevation as the adjoining surface, allowing for a smooth transition between the curb ramp and the detectable warning.
2. When cut pavers are required to fill gaps between the pavers and the edge of concrete, the Contractor shall bevel portions of the truncated domes at a 45-degree angle to create a smooth transition between the partial dome and the curb ramp surface. Unless otherwise directed by the Project Personnel, pavers shall be cut and installed in such a manner that the domes on the cut sections will not significantly impact the overall pattern of the truncated domes.

D. Compaction

1. The Contractors shall use a plate vibrator to embed the pavers into the sand. The size and type of plate vibrator shall be in accordance with manufacturer's recommendations, or as directed by the Project Personnel. All pavers that are damaged during embedment shall be replaced at the Contractor's expense.
2. Joint spacing between paver units shall be in accordance with the manufacturer's recommendations, or as approved by the Project Personnel. Joints shall be filled completely with joint sand. Excess sand shall be removed by sweeping.

Method of Measurement:

Detectable warnings on new curb ramps, including sand, pavers, and all other work and materials necessary for fabrication, transport, and installation will not be measured and paid for separately, but shall be included in the work.

Truncated domes that are installed on existing curb ramps will be measured by the actual number of square feet that are installed and accepted.

Basis of Payment:

Payment will be full compensation for all labor, materials, and equipment required to install the truncated domes including surface preparation and removal/replacement of concrete or asphalt.

Pay Item

608.253 Masonry Paver with Truncated Domes

Pay Unit

Square Foot

SPECIAL PROVISION
SECTION 609
CURBING
(Concrete Base for Curbing)

Description This work shall consist of furnishing and placing a portland cement concrete base beneath and around both new and reset Vertical Curb Type 1, including terminal ends and curb inlets, as shown on the Special Detail.

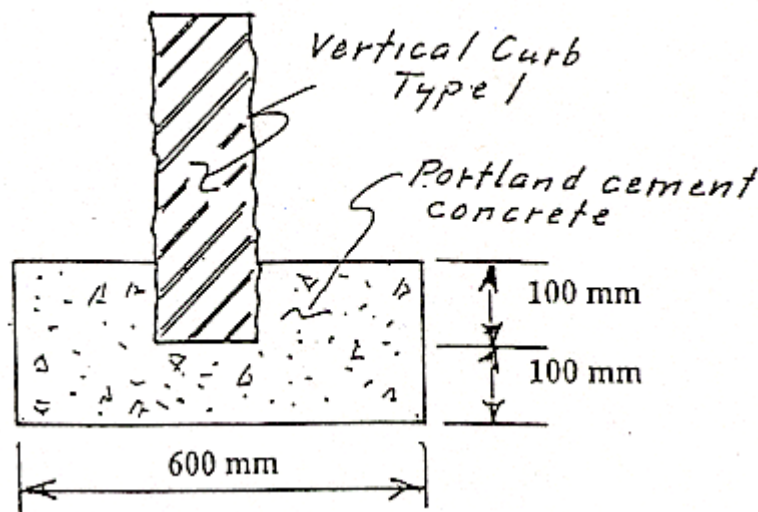
MATERIALS

Portland Cement Concrete Portland cement concrete shall consist of a 5½ bags per cubic yard mix with fine and coarse aggregate and water proportioned as approved by the Resident.

CONSTRUCTION REQUIREMENTS

General The Vertical Curb Type 1 shall be set and held firmly in place on a prepared foundation to the proper line and grade using shim block to conform to the Special Detail shown below.

Portland cement concrete shall be placed beneath and around the curbing, including curb inlets and terminal sections. Forms will not be required if suitable trenches can be provided to allow placing the concrete to the approximate dimensions shown. Backfilling shall not be performed until 24 hours after placing the concrete.



SPECIAL DETAIL
CONCRETE BASE SECTION

February 21, 2002

Method of Measurement Concrete base for curbing will be measured by the linear meter of portland cement concrete placed as shown on the Special Detail.

Basis of Payment The accepted quantity of concrete base for curbing will be paid for at the Contract unit price per linear meter, complete in place. Payment shall be full compensation for furnishing and placing portland cement concrete, excavating and backfilling as necessary, and forms as needed.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
609.50 Concrete Base for Curbing	Meter [Foot]

SPECIAL PROVISION
SECTION 652
MAINTENANCE OF TRAFFIC
(Traffic Control)

652.7 Method of Measurement. This entire Subsection is revised to read:
Traffic Control Supervisor, furnishing, installation, and maintenance of all traffic control devices will be measured as one **lump sum** for all work authorized and performed.

652.8 Basis of Payment. This entire Subsection is revised to read:
Traffic Control will be paid for at the contract **lump sum** price. Payment will be full compensation for the Traffic Control Supervisor, approach signs, work area signs, drums, cones, panel markers, barricades, arrow boards etc. and maintenance thereof including the setting up and taking down of lane closures as many times as necessary shall be considered part of the lump sum price.

Maintenance of signs includes: replacing devices damaged, lost, or stolen, and cleaning and moving as many times as necessary throughout the life of the contract, regardless whether the work areas or projects are geographically separated or not separated.

The Lump Sum will be payable in installments as follows: 5% of the Lump Sum once the approach signing is complete and approved, with the 95% balance to be paid as the work progresses at a rate proportional to the percentage completion of the Contract.

Failure by the contractor to follow the Contracts 652 Special Provisions and/or The Manual on Uniform Traffic Control Devices (MUTCD) and/or The Contractors own Traffic Control Plan will result in a reduction in payment, computed by reducing The Lump Sum Total by 5% per occurrence. The Departments Resident Engineer or any other representative of The Department reserves the right to suspend the work at any time and request a meeting to discuss violations and remedies. The Department shall not be held responsible for any delay in the work due to any suspension under this item.

All other requirements under the Standard Specifications Section 652 will be a part of the lump sum item.

There will be no extra payment for this pay item after the expiration of contract time.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
652.39 Work Zone Traffic Control	Lump Sum

SPECIAL PROVISION
SECTION 652
MAINTENANCE OF TRAFFIC

Approaches Approach signing shall include the following signs as a minimum. Field conditions may warrant the use of additional signs as determined by the Resident.

Road Work Next x Miles
Road Work 500 Feet
End Road Work

Work Area At each work site, signs and channelizing devices shall be used as directed by the Resident. Signs include:

Road Work xxxx¹
One Lane Road Ahead
Flagger Sign

Other typical signs include:

Be Prepared to Stop
Low Shoulder
Bump
Pavement Ends

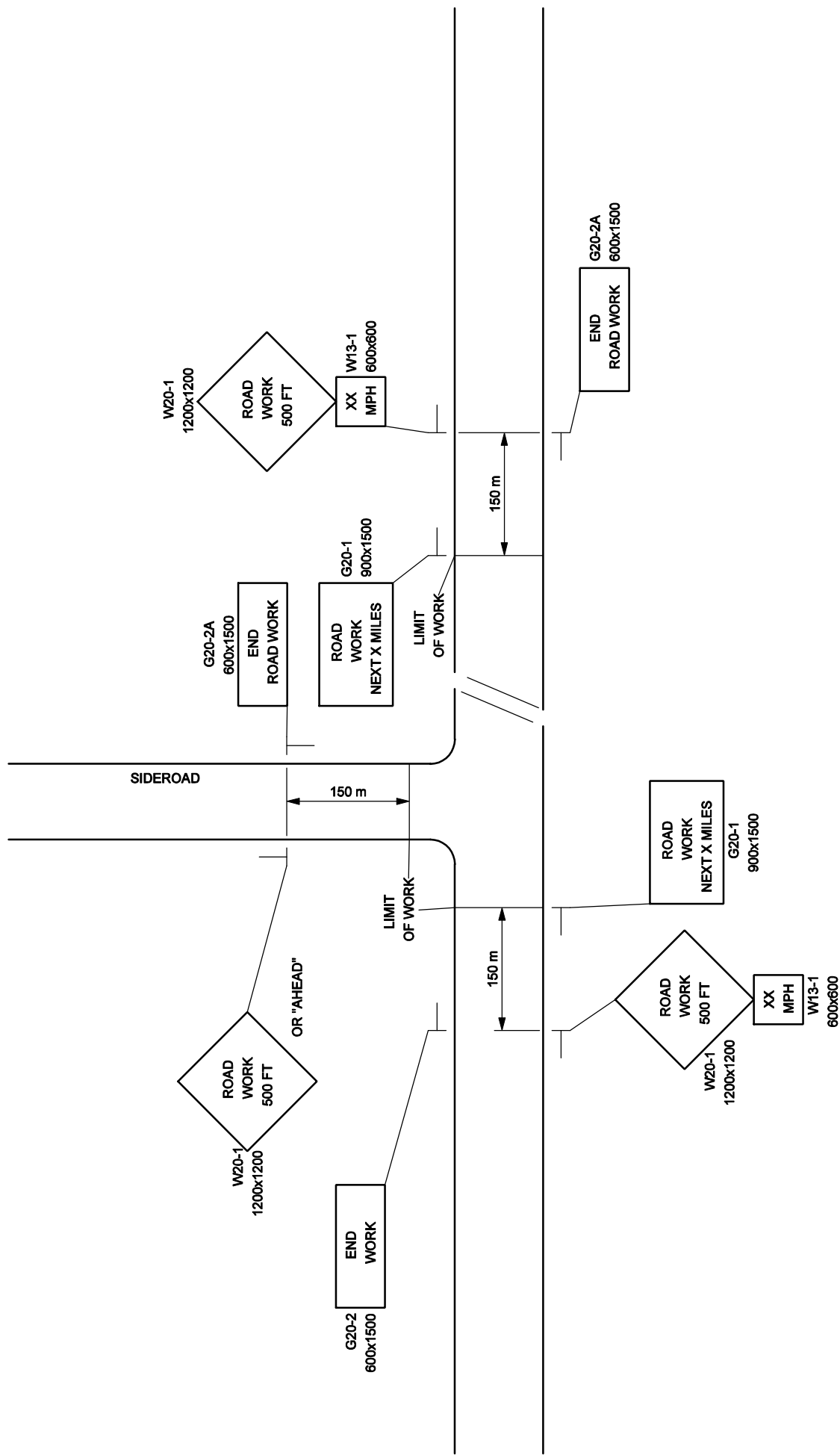
The above lists of Approach signs and Work Area signs are representative of the contract requirements. Other sign legends may be required.

The Contractor shall conduct their operations in such a manner that the roadway will not be restricted to one lane for more than 800 m [2,500 ft] at each work area. Where more than one work area restricts traffic to one lane operation, these work areas shall be separated by at least 1.6 km [1 mile] of two way operation.

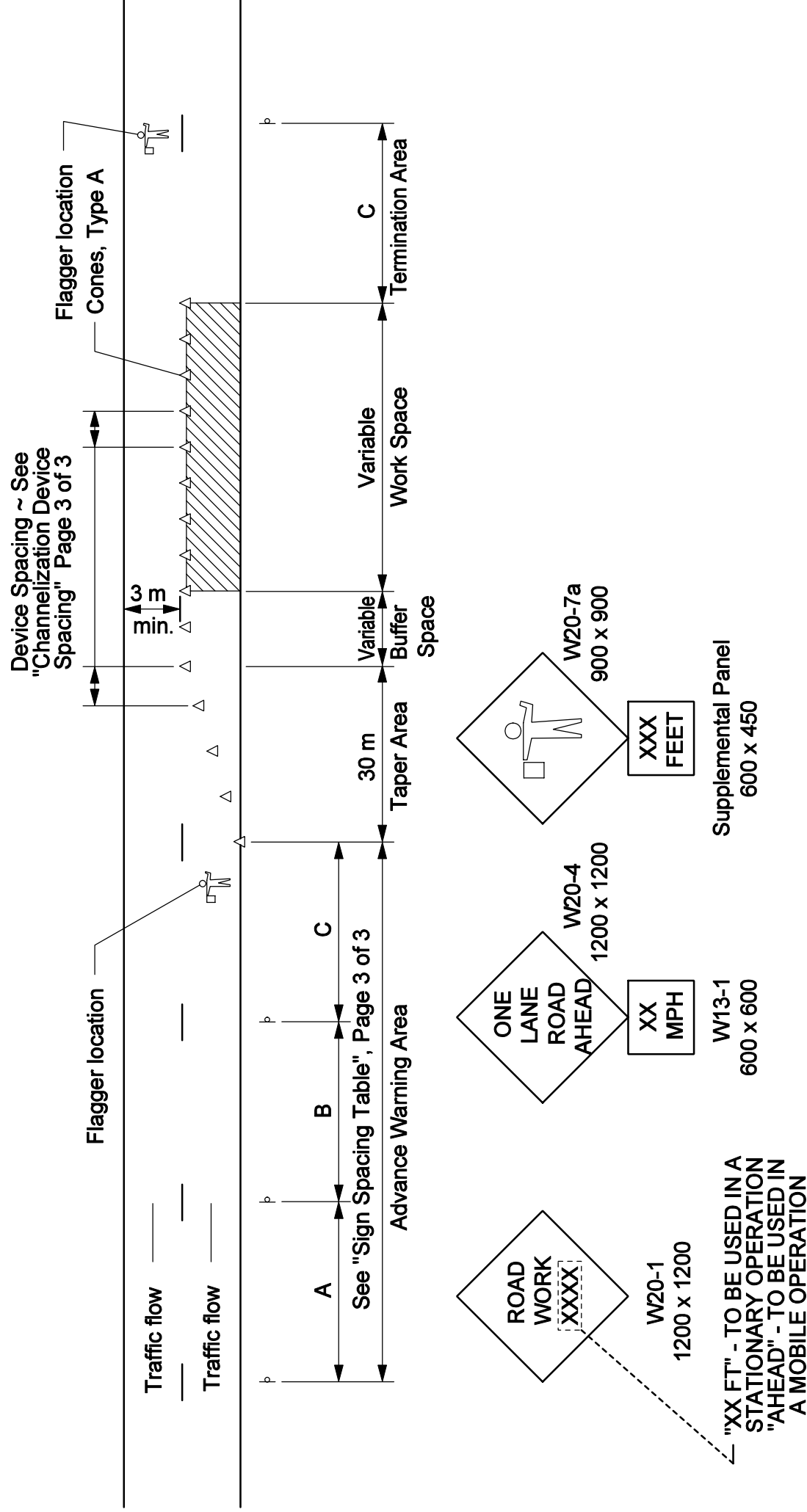
Temporary Centerline A temporary centerline shall be placed each day on all new pavement to be used by traffic. The temporary centerline, when specified of reflectorized traffic paint, shall conform to the standard marking patterns used for permanent markings.

Failure to apply a temporary centerline daily will result in suspension of paving until temporary markers are applied to all previously placed pavement.

¹ "Road Work Ahead" to be used in mobile operations and "Road Work xx ft" to be used in stationary operations as directed by the Resident.



TYPICAL -- PROJECT APPROACH SIGNING -- TWO WAY TRAFFIC



TYPICAL APPLICATION: TWO - WAY, TWO LANE ROADWAY, CLOSING ONE LANE USING FLAGGERS

* Formulas for L are as follows:

For speed limits of 40 mph (60 km/h) or less:

$$L = \frac{WS^2}{60} \quad (L = \frac{WS^2}{155})$$

For speed limits of 45 mph (70 km/h) or greater:

$$L = WS \quad (L = \frac{WS}{1.6})$$

* Formulas for L are as follows:

A minimum of 5 channelization devices shall be used in the taper.

TYPE OF TAPER	TAPER LENGTH (L)*
Merging Taper	at least L
Shifting Taper	at least 0.5L
Shoulder Taper	at least 0.33L
One-Lane, Two-Way Traffic Taper	100 ft (30 m) maximum
Downstream Taper	100 ft (30 m) per lane

CHANNELIZATION DEVICE SPACING

The spacing of channelization devices shall not exceed a distance equal to 1.0 times the speed limit in mph when used for taper channelization, and a distance in feet of 2.0 times the speed limit in mph when used for tangent channelization.

GENERAL NOTES;

1. Final placement of signs and devices may be changed to fit field conditions as approved by the Resident.

SIGN SPACING TABLE			
Road Type	Distance Between Signs**		
	A	B	C
Urban 30 mph (50 km/h) or less	100 (30)	100 (30)	100 (30)
Urban 35 mph (55 km/h) and greater	350 (100)	350 (100)	350 (100)
Rural	500 (150)	500 (150)	500 (150)
Expressway / Urban Parkway	2,640 (800)	1,500 (450)	1000 (300)

**Distances are shown in feet (meters).

SUGGESTED BUFFER ZONE LENGTHS

Speed (mph)	Length (feet)	Speed (mph)	Length (feet)
20	115	40	325
25	155	45	360
30	200	50	425
35	250	55	495

SPECIAL PROVISION
SECTION 656
Temporary Soil Erosion and Water Pollution Control

The following is added to Section 656 regarding Project Specific Information and Requirements. All references to the Maine Department of Transportation Best Management Practices for Erosion and Sediment Control (a.k.a. Best Management Practices manual or BMP Manual) are a reference to the latest revision of said manual. The "Table of Contents" of the latest version is dated "1/19/00" (available at <http://www.state.me.us/mdot/mainhtml/bmp/bmpjan2000.pdf>.)

Procedures specified shall be according to the BMP Manual unless stated otherwise.

Delete the last sentence of Section 656.4.4, which reads, "After Final Acceptance of the project, the Contractor must submit the log to the Department which will become the property of the Department."

Any and all references to "bark mulch" or "composted bark mix" shall be a reference to "Erosion Control Mix" in accordance with *Standard Specification, Section 619 - Mulch*.

Project Specific Information and Requirements

The following information and requirements apply specifically to this Project. The temporary soil erosion and water pollution control measures associated with this work shall be addressed in the SEWPCP.

- 1) This project is located within the boundaries of Acadia National Park. And has been classified as Sensitive. All streams in Acadia National Park are classified as AA.
- 2) Newly disturbed earth shall be mulched by the end of each workday. Mulch shall be maintained on a daily basis.
- 3) If **water is flowing within the drainage system, the water shall be diverted to a stable area or conduit and work shall be conducted in the dry.** The Contractor's plan shall address when and where the diversions will be necessary.
- 4) Dust control items other than those under *Standard Specification, Section 637 – Dust Control*, if applicable, shall be included in the plan.
- 5) Permanent slope stabilization measures shall be applied within one week of the last soil disturbance.
- 6) Permanent seeding shall be done in accordance with *Standard Specification, Section 618 - Seeding* unless the Contract states otherwise.

**SPECIAL PROVISION
SECTION 656**

Temporary Soil Erosion and Water Pollution Control

7) Culvert inlet and outlet protection shall be installed within 48 hours of culvert installation, or prior to a storm event, whichever is sooner.

8) DRAINAGE WORK SHALL NOT COMMENCE UNTIL AFTER APRIL 1ST OF ANY YEAR DUE TO HIGH GROUNDWATER LEVELS AND NUMEROUS INTERMITTENT STREAMS. This date shall only be adjustable upon approval of both the Construction Manager and a representative from the Water Resources Unit.

9) All disturbed ditches shall be stabilized by the end of each workday. Stabilization shall be maintained on a daily basis.

10) Erosion control blanket shall be installed in the bottoms of all ditches except where a stone lining is planned. Seed shall be applied prior to the placement of the blanket.

11) If check dams are used, they shall be constructed of stone in accordance with BMP Manual, Section

12) After November 1 the Contractor shall use winter stabilization methods, such as Erosion Control Mix as specified in *Standard Specification, Section 619 - Mulch*. If required, spring procedures for permanent stabilization shall also be described in the plan. Use of this product for over-winter temporary erosion control will be incidental to the contract and be paid for as part of Pay Item 656.75.

13) Stream flow shall be maintained at all times. Grout from the post-tensioning socket sealing operation and fresh concrete shall not be allowed to contact the stream. Clean out of concrete delivery trucks and the washing of tools shall be addressed in the SEWPCP.

The SEWPCP shall describe the containment method for removal of the existing abutments, including installation of cofferdams and dewatering procedures.

A cofferdam sedimentation basin is required if cofferdams are used. The basin shall be located in an upland area where the water can settle and seep into the ground or be released slowly to the resource in a manner that will not cause erosion. The location of such a cofferdam sedimentation basin shall be addressed in the SEWPCP.

SPECIAL PROVISION
SECTION 656
Temporary Soil Erosion and Water Pollution Control

Standard Specification 656 of the Standard Specifications is deleted and replaced by this Special Provision.

The following information and requirements will constitute the Soil Erosion and Water Pollution Control Plan for this Project. The soil erosion and water pollution control measures associated with this work are as follows:

1. All work shall be done in accordance with the latest revision of the Maine Department of Transportation Best Management Practices for Erosion and Sediment Control (a.k.a. Best Management Practices manual or BMP Manual). The "Table of Contents" of the latest version is dated "1/19/00" (available at <http://www.state.me.us/mdot/mainhtml/bmp/bmpjan2000.pdf>.) **Procedures specified shall be according to the BMP Manual unless stated otherwise.**
2. The on-site person responsible for implementation of this plan, shall be the Contractor's Superintendent or other supervisory employee (the "Environmental Coordinator") with the authority to immediately remedy any deficient controls and shall provide the Resident with their numbers (telephone number, cellular phone and pager numbers, if applicable) where the Environmental Coordinator can be reached 24 hours a day.
3. All areas where soil is disturbed shall be permanently mulched on a daily basis and seeded on a weekly basis (if seeded by hand, it shall be done on a daily basis). All previously mulched areas shall be maintained and re-mulched on a daily basis if bare areas develop until an acceptable growth of grass has been obtained.
4. All disturbed ditches shall receive erosion control blanket or stone rip rap prior to leaving the site each day.
5. If the Work includes the handling or storage of petroleum products or Hazardous Materials including the on site fueling of Equipment, the Resident must be provided with a Spill Prevention Control and Countermeasure Plan (SPCCP) plan. At a minimum, the SPCCP shall include:
 - The name and emergency response numbers (telephone number, cellular phone and pager numbers, if applicable) of the Contractor's representative responsible for spill prevention;
 - General description and location of (1) handling, transfer, storage, and containment facilities of such products or Materials ("activities and facilities") and (2) potential receptors of such products or Materials including oceans, lakes, ponds, rivers, streams, wetlands, and sand and gravel aquifers ("sensitive resources") including the distances between said activities and facilities and said sensitive resources;

SPECIAL PROVISION**SECTION 656**

Temporary Soil Erosion and Water Pollution Control

- Description of preventative measures to be used to minimize the possibility of a spill including Equipment and/or Materials to be used to prevent discharges including absorbent Materials,
 - A contingency response plan to be implemented if a spill should occur including a list of emergency phone/pager numbers including the Contractor's representative, MDEP Spill Response, the Resident, and local police and fire authorities. For a related provision, see *Standard Specification, Section, 105.2.2 - Project Specific Emergency Planning*.
6. The Environmental Coordinator must inspect and maintain daily all controls for the duration of the project.
 7. Any costs related to this plan shall be considered incidental to the contract.
 8. If the Project Resident directs soil disturbance that require temporary erosion and sedimentation control, all permits shall be obtained by the DOT and a full SEWPCP will be required and paid for as Extra Work.

SPECIAL PROVISION
SECTION 890
SPECIAL WORK ORDER # 1

Description This work will consist of the installation of four amber 12 inch LED flashing beacons on existing pedestrian signs (two on each sign) and any equipment needed to run the activated lights. The work will also consist of changing out the existing overhead flashers from incandescent to Light Emitting Diodes (LED). The lights will be activated by pedestrian push buttons on either side of the crosswalk at station 5398+10 +/- . The flashing lights shall flash for a minimum of 10 seconds. Two lights will be mounted on each sign and set to alternately flash. The electrical feed across Route 3 shall be aerial.

Method of Measurement. This item shall paid for as a Lump Sum payment including all incidentals.

Method of Payment. Payment for this item shall be full compensation for furnishing and installing the flashing beacons on the sign and to replace the signals overhead (6 12 inch amber LED bulbs and housings), all 12/3 uf wiring leading to the signs from the push button, the wiring from the push button back to the controller cabinet, 1 1/2" pvc conduit, excavation to bury the wire and conduit, two pedestrian push buttons (handicapped accessible), two 6" x 6" pressure treated wood poles at least 4 feet above the ground, an adjustable solid state timing mechanism for the controller (adjustable from 10 seconds to 90 seconds), all controller equipment including an aluminum Type F controller box, flasher for the overhead beacon and flashing signs and any incidentals needed to perform the work.

Pay Item

Pay Unit

890.01 Special Work Order #1

LS

**TOWN OF BAR HARBOR, MAINE
PUBLIC WORKS DEPARTMENT**

**LOWER MAIN STREET
SEWER REPLACEMENT**

SUPPLEMENTAL SPECIFICATIONS

JANUARY 2004

**Prepared By:
Wright-Pierce
99 Main Street
Topsham, Maine 04086**

SECTION 661 – PIPE TRENCH INSULATION

661.01 Description. Furnish and install polystyrene rigid board insulation of type indicated and in locations shown on the drawings or as directed by the Resident.

MATERIALS

661.02 Materials

- A. Polystyrene rigid board insulation with thickness of 2 inches, and a width of 4 feet.
- B. Qualifications of Manufacturer: Products have proven reliable in similar installations over a reasonable number of years.

CONSTRUCTION REQUIREMENTS

661.03 General. Install pipe trench insulation as shown in the details.

661.04 Method of Measurement: Insulation measured for payment shall consist of the actual number of linear feet of pipe insulation installed as directed by the Resident measured along the centerline of the pipe.

661.05 Basis of Payment: The contract unit price for pipe trench insulation over Sewer Mains or Services shall constitute full compensation for all labor, equipment and materials necessary to complete the work including excavation, backfill, compaction, furnishing and installing insulation, and all incidentals needed to complete the item.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
661.14 Insulation	linear feet

SECTION 801.18 – 12" POLYVINYL CHLORIDE (PVC) SANITARY SEWER (SDR-35)

801.1801 DESCRIPTION. This work shall consist of providing and installing PVC non-pressure pipe and fittings of the size(s) and type(s) and in the location(s) shown on the Drawings and as specified herein. The related work specified elsewhere includes; Excavation and backfill, dewatering, pavement, borrow and bedding material.

MATERIALS

801.1802 Materials. Acceptable manufacturers include:

1. Certain-Teed.
2. J-M Manufacturing.
3. Or equivalent.

801.1803 Delivery Storage and Handling. Provide all labor necessary to assist the Engineer to inspect pipe, fittings, gaskets and other materials. Carefully inspect all materials at the time of delivery and just prior to installation. Carefully inspect all pipe and fittings for:

1. Defects and damage
2. Deviations beyond allowable tolerances for joint dimensions.
3. Removal of debris and foreign matter.

Examine area and structures to receive piping for:

1. Defects, such as weak structural components that adversely affect the execution and quality of work.
2. Deviations beyond allowable tolerance for pipe clearances.

All materials and methods not meeting the requirements of the Contract Documents will be rejected. Immediately remove all rejected materials from the project site.

801.1804 Pipe and Fittings. The polyvinyl chloride pipe and fittings, including those required for stubs, shall conform to ASTM standard specification for PVC Sewer Pipe and Fittings, Designation D 3034 (SDR 35) (4" to 15"). Straight pipe shall be furnished in lengths of not more than 13 feet. Saddles will not be allowed.

801.1805 Joints. Joints for the polyvinyl chloride pipe shall be push-on joints using factory installed elastomeric ring gaskets. The gaskets shall be securely fixed into place by the manufacturer so that they cannot be dislodged during joint assembly. The gaskets shall be of a composition and texture which is resistant to common ingredients of sewage and industrial wastes, including oils and ground water, and which will endure permanently under the conditions of the proposed use. The joints shall conform to ASTM Specifications for Joints for Drain and Sewer Plastic Pipes using Flexible Elastomeric Seals, Designation D3212-76.

CONSTRUCTION REQUIREMENTS

801.1806 Inspection: Each pipe unit shall be inspected before being installed. No single piece of pipe shall be laid unless it is generally straight. The centerline of the pipe shall not deviate from a straight line drawn between the centers of the openings at the ends of the pipe by

more than 1/16 inch per foot of length. If a piece of pipe fails to meet this requirement for straightness it shall be rejected and removed from the site. Any pipe unit or fitting discovered to be defective either before or after installation shall be removed and replaced with a sound unit.

801.1807 Jointing: All pipe and fittings shall be cleared of all debris, dirt, etc., before being installed and shall be kept clean until accepted in the completed work. Pipe and fittings shall be installed to the lines and grades indicated on the drawings or as required by the Engineer. Care shall be taken to insure true alignments and gradients. All joint surfaces shall be cleaned. Immediately before jointing the pipe, the bell or groove shall be lubricated in accordance with the manufacturer's recommendation. Each pipe unit shall then be carefully pushed into place without damage to pipe or gasket. Suitable devices shall be used to force the pipe units together so that they will fit with a minimum open recess inside and outside and have tightly sealed joints. Care shall be taken not to use such force as to wedge apart and split the bell or groove ends. Joints shall not be "pulled" or "cramped" unless permitted by the Engineer.

801.1808 Testing. Final sewer testing work includes the performance of testing and inspecting each and every length of sewer pipe, pipe joints and each item of appurtenant construction. Perform testing at a time acceptable to the Engineer, which may be during the construction operations, after completion of a substantial and convenient section of the work, or after the completion of all pipe laying operations. Provide all labor, pumps, pipe, connections, gages, measuring devices and all other necessary apparatus to conduct tests.

All sewers, manholes, and appurtenant work, in order to be eligible for acceptance by the Engineer, shall be subjected to tests that will determine the degree of watertightness and horizontal and vertical alignment. Thoroughly clean and/or flush all sewer lines to be tested, in a manner and to the extent acceptable to the Engineer, prior to initiating test procedures. Perform all tests and inspections in the presence of the Engineer and the plumbing or building inspector in accordance with the requirements of the local and state plumbing codes. Perform testing by test patterns determined by or acceptable to the Engineer. If remedial work is necessary:

1. Perform all work necessary to correct deficiencies discovered as a result of testing and/or inspections.
2. Completely retest all portions of the original construction on which remedial work has been performed.
3. Perform all remedial work and retesting in a manner and at a time acceptable to the Engineer at no additional cost to the Owner.

801.1809 Line Acceptance Tests (Gravity sewers with no active service connections).

1. Test all gravity sewer lines with no active service connections for leakage by conducting a low pressure air test.
2. Equipment:
 - a. Pneumatic plugs shall have a sealing length equal to or greater than the diameter of the pipe to be inspected.
 - b. Pneumatic plugs shall resist internal test pressures without requiring external bracing or blocking.
 - c. All air used shall pass through a single central panel.

- d. Connect 3 individual hoses:
 - (1) From the control panel to the pneumatic plugs for inflation,
 - (2) From the control panel to the sealed sewer line for introducing the low pressure air,
 - (3) From the sealed sewer line to the control panel for continually monitoring the air pressure rise in the sealed line.
3. Testing Pneumatic Plugs:
 - a. Seal test all pneumatic plugs prior to using them in the actual test.
 - b. Lay one length of pipe on the ground and seal both ends with the pneumatic plugs to be tested.
 - c. Pressurize the sealed pipe to 5 psig.
 - d. The pneumatic plugs are acceptable if they remain in place without bracing.
4. Testing Sewer Pipeline:
 - a. After the sewer pipe has been cleaned and the pneumatic plugs checked, place the plugs in the sewer line at each manhole and inflate them.
 - b. Introduce low pressure air into the sealed sewer pipeline until the air pressure reaches 4 psig greater than the average groundwater pressure.
 - c. Allow a minimum of 2 minutes for the air pressure to stabilize to a minimum of 3.5 psig greater than the groundwater pressure. Groundwater is assumed to be at ground surface unless the Contractor can prove by otherwise by test pitting.
 - d. After the stabilization period, disconnect the air hose from the control panel to the air supply.
 - e. The pipeline will be acceptable if the pressure decrease is not greater than 1/2 psig in the time stated in the following table for the length of pipe being tested:

<u>Pipe Diameter (inches)</u>	<u>Time (Min.) for Length of Pipe</u>			
	<u>0-100 ft</u>	<u>101-200 ft</u>	<u>201-300 ft</u>	<u>301-400 ft</u>
4	2.0	2.0	2.0	2.0
6	3.0	3.0	3.0	3.0
8	4.0	4.0	4.0	5.0
10	5.0	5.0	6.0	8.0
12	5.5	5.5	8.5	11.5

5. Test Results:
 - a. If the installation fails the low pressure air test, determine the source of leakage.
 - b. Repair or replace all defective materials and/or workmanship and repeat low pressure air test at no additional cost to the Owner.

801.1810 Line Acceptance Tests (Gravity sewers with active services):

1. Test all new gravity sewer lines with active services by conducting a low-pressure air test on all joints using a packer after all services have been connected or capped at the property line and all trenches backfilled but before the surface course of permanent pavement is installed.
2. Equipment:
 - a. Closed-circuit television system.
 - b. Testing devices (packer):
 - (1) Capable of isolating individual joints by creating a sealed void space around the joint being tested.
 - (2) Constructed such that low pressure air can be admitted into the void area.
 - (3) Shall contain a pressure gauge accurate to one tenth (0.1) psi in-line with the feed line to monitor the void pressure.
 - (4) Capable of performing in sewer lines where flows do not exceed 1/4 of the pipe diameter without resorting to any method of flow control.
3. Testing Sewer Pipeline Joints:
 - a. Test all joints.
 - b. Procedure:
 - (1) Pull television camera through sewer line in front of the packer.
 - (2) Position the packer on each joint to be tested.
 - (3) Inflate the sleeves on each end of the packer.
 - (4) Apply four (4.0) psi pressure above the existing hydrostatic pressure on the outside of the joint to the void area created around the inside perimeter of the joint.
 - (5) Shut off the supply of air once the pressure has stabilized at the required amount.
 - (6) Monitor the void pressure for thirty (30) seconds.
 - (7) Repair the joint if the pressure drops more than one half (1/2) psi in the thirty (30) seconds.
 - c. Water or chemical pressure testing may be used in lieu of air testing subject to review and approval by the Engineer.
 - d. Re-clean and re-inspect all lines not approved by the Engineer at no additional cost to the Owner.
 - e. Repairing of Joints:
 1. When a joint fails the pressure test, excavate and repair the failed joint. Repairing joints with chemical grout will not be permitted.
 - f. The Engineer may request checking of the testing equipment for accuracy.
 1. Perform standard air test on a clean continuous section of pipe.
 2. Repair the equipment if the void pressure drops.
 - g. Testing Operation Inspection:

1. Pretest each joint, as specified herein, prior to acceptance and final payment for joint testing. Retest all joints that fail until the test requirements are met.
- h. The contractor will supply a black and white photograph of every joint that fails the pressure test.

801.1811 Alignment Tests (Gravity Sewers).

1. Perform tests for the correctness of horizontal and vertical alignment on each and every length of gravity sewer pipeline between manholes, prior to the installation of the service leads.
2. Alignment tests to be conducted after all pipe has been installed and backfilled.
3. The observation test shall be conducted after all upstream work has been completed and the pipeline cleaned of debris.
4. Notify the Engineer at least 24 hours in advance of the proposed observation testing.
5. Introduce water into the sewer lines to be tested from the upstream manhole prior to the observation test but no more than 24 hours in advance of the test.
6. Beam a source of light, acceptable to the Engineer, through the pipeline from both ends and the Engineer will directly observe the light in the downstream, and/or upstream manhole of each test section.
7. The length of pipe between manholes, diameter of pipe and amount of light observed in the manhole at the end of each pipe section will determine acceptance of the alignment test by the Engineer.
8. The amount of vertical and horizontal deflection shall not be greater than the ASTM allowance and (manufacturer's recommendations) for the pipe being tested.
9. No standing water shall be allowed. The presence of standing water shall be cause for rejection of that pipe (including manhole) section.
10. Improper alignment will be corrected by re-excavation and resetting of pipe at no additional cost to the Owner.

801.1812 Pipe Deflection: (Gravity Sewers).

1. Pipe provided under this specification shall be installed so there is no more than a maximum deflection of 5.0 percent. Such deflection shall be computed by multiplying the amount of deflection (normal diameter less minimum diameter when measured) by 100 and dividing by the nominal diameter of the pipe.
2. The Contractor shall wait a minimum of 30 days after completion of a section of sewer, including placement and compaction of backfill, before measuring the amount of deflection by pulling a specially designed gage assembly through the completed section. The gage assembly shall be in accordance with the recommendations of the pipe manufacturer and be acceptable to the Engineer.

3. Should the installed pipe fail to meet this requirement, the Contractor shall do all work to correct the problem as the Engineer may require without additional compensation.

801.1813 Inspection of Appurtenant Installations.

1. Completely inspect, at a time determined by the Engineer, all manholes and inlets to ascertain their compliance with the Drawings and Specifications.
2. Provide access to each manhole and inlet and check the following characteristics:
 - a. Shape and finish of invert channels,
 - b. Watertightness and finish of masonry structures,
 - c. Location, type, and attachment of stops,
 - d. Elevation and attachment of frames, covers, and openings,
 - e. Pattern and machining of covers, and
 - f. Drop connection arrangements.

801.1814 Manhole Leakage Testing.

1. Manhole Leakage Testing is specified in the "Precast Sewer Manhole" Section 803.

801.1815 Method of Measurement: Gravity sewer pipe measured for payment shall be the number of linear feet installed measured along the center line of the pipe as laid including fittings. Pipes shall be measured between centers of the manholes minus half the inside diameter of each manhole. Pipe installed into the manhole will not be measured for payment.

801.1816 Basis of Payment:

1. The contract unit price per linear feet for gravity sewer pipe shall be full compensation for all labor, materials, and equipment necessary to complete this work including excavation, removal and disposal of existing sewer, dewatering, bedding, furnishing and installing pipe (including tees), making connections to new and existing manholes and sewer mains, backfill, compaction, maintaining the trench per requirements of MDOT during construction until pavement is placed, cleaning, testing, handling existing flows during construction of new facilities, plugging of existing sewers where indicated, and all else incidental thereto for which payment is not provided under other items.
2. Payment for this work on interim requisitions shall be according to the following percentages:
 - a. Gravity sewer pipe in place and backfilled - 90 percent.
 - b. Gravity sewer pipe successfully cleaned and tested - 10 percent.

Payment will be made under:

Pay Item

Pay Unit

801.18 12" PVC Sanitary Sewer (SDR-35)

linear feet

END OF SECTION

SECTION 802.16 - 4' DIAMETER PRECAST SEWER MANHOLES

802.1601 DESCRIPTION. This work shall consist of constructing manholes, covers, frames, brick masonry, inverts and the application of waterproofing in conformance with the dimensions, elevations, and locations shown on the Drawings and as specified herein. Also included is removal and disposal of existing manholes where indicated on the drawings.

MATERIALS

802.1602 Materials

- A. Precast Manhole Base, Barrel and Top Sections:
 - 1. Conform to ASTM C478-84 (AASHTO M199-82) except as modified herein, and on the Drawings.
 - 2. Average strength of 4,000 psi at 28 days.
 - 3. Testing:
 - a. Determine concrete strength by tests on 6-inch by 12-inch vibrated test cylinders cured in the same manner as the bases, barrels and tops.
 - b. Have tests conducted at the manufacturer's plant or at a testing laboratory approved by the Engineer.
 - c. Have not less than 2 tests made for each 100 vertical feet of precast manhole sections.
- B. Manhole Steps
 - 1. Acceptable Manufacturers:
 - a. Aluminum Company of America.
 - b. Reliance Steel Products, Inc.
 - c. M. A. Industries, Inc.
 - d. Or equivalent.
- C. Frames and Covers:
 - 1. Acceptable Manufacturers:
 - a. Etheridge Foundry Co., Catalog No. E245S.
 - b. No "or equivalent" is allowed.
- D. Masonry:
 - 1. Brick: Shall comply with the ASTM Standard Specifications for Sewer Brick (made from clay or shale), Designation C32, for Grade SS, hard brick. (AASHTO M91-78).
 - 2. Cement: ASTM C-150 (AASHTO M85-79I).
 - 3. Hydrated Lime: ASTM C-207
 - 4. Sand: ASTM C33 (AASHTO M6-65 (1974)).
- E. Waterproofing:
 - 1. Acceptable Manufacturers:
 - a. Minwax Fibrous Brush Coat, Minwax Co., N.Y., N.Y.
 - b. Tremco 121 Foundation Coating, Tremco Mfg. Co., Newark, N.J.

- c. Or approved equal.

802.1603 Precast Manhole Sections

- A. Dimensions, shall be as shown on the Drawings:
 - 1. Base & Riser Sections:
 - a. Diameter: As shown on the Drawings.
 - b. Length: As required.
 - c. Wall Thickness: Not less than 5 inches.
 - d. Joints: Bell-and-spigot or tongue-and-groove formed on machine rings to insure accurate joint surfaces.
 - 2. Tops:
 - a. Diameter: Eccentric cone type, 24 inches I.D. at top, 48 inches I.D. at bottom unless otherwise shown on the Drawings.
 - b. Length: 4 feet.
 - c. Wall thickness: Not less than 5 inches at the base, tapering to not less than 8 inches at the top.
 - d. Joints: Bell-and-spigot or tongue-and-groove formed on machine rings to insure accurate joint surfaces.
 - e. Exterior face of cone sections shall not flare out beyond the vertical.
 - 3. Flat Slab Tops:
 - a. Location: Where shallow installations do not permit the use of a cone-type top and where indicated on the Drawings.
 - b. Slab thickness: Not less than 6 inches.
 - c. Constructed to support an HS-20 wheel loading.
- B. Openings:
 - 1. Provide openings in the risers to receive pipes entering the manhole.
 - 2. Make openings at the manufacturing plant.
 - 3. Size: To provide a uniform annular space between the outside wall of pipe and riser.
 - 4. Location: To permit setting of the entering pipes at the correct elevations.
 - 5. Openings shall have a flexible watertight union between pipe and the manhole base.
 - a. Cast into the manhole base and sized to the type of pipe being used.
 - b. Type of flexible joint being used shall be approved by the Engineer. Install materials according to the Manufacturer's instructions.
 - 1. Lock Joint Flexible Manhole Sleeve made by Interpace Corporation.
 - 2. Kor N Seal made by National Pollution Control System, Inc.
 - 3. Press Wedge II made by Press-Seal Gasket Corporation.
 - 4. A-Lok Manhole Pipe Seal made by A-Loc Corporation.
 - 5. Or equivalent.
- C. Joints:
 - 1. Joint gaskets to be flexible self seating butyl rubber joint sealant installed according to manufacturer's recommendations. For cold weather applications, use adhesive with joint sealant as recommended by manufacturer.
Acceptable Materials:

- a. Kent-Seal No. 2
 - b. Ram-Nek
 - c. Or equivalent.
- 2. Joints between precast sections shall conform to related standards and manufacturer's instructions.
- 3. All manholes greater than 6 ft. diameter and all manholes used as wet wells, valve pits and other dry-pit type structures shall be installed with exterior joint collars. The joint collar shall be installed according to the manufacturer's instructions. Acceptable materials:
 - a. MacWrap exterior joint sealer as manufactured by Mar-Mac Manufacturing Company.
 - b. Or equivalent.
- D. Waterproofing:
 - 1. The exterior surface of all manholes shall be given two coats of bituminous waterproofing material at a application rate of 75 to 100 square feet per gallon, per coat.
 - 2. The coating shall be applied after the manholes have cured adequately and can be applied by brush or spray in accordance with the manufacturer's written instruction.
 - 3. Sufficient time shall be allowed between coats to permit sufficient drying so that the application of the second coat has no effect on the first coat.
- E. Frost Protective Wrapping:
 - 1. The frost protective wrap shall be constructed of an ultraviolet resistant polyethylene material and shall be a minimum thickness of 6 mils.

802.1604 Frames and Covers

- A. Etheridge Foundry, Catalog No. E245S (Town of Bar Harbor Standard)

802.1605 Manhole Steps

- A. Polyethylene coated steel safety type designed with a minimum concentrated live load of 300 pounds.
- B. Thoroughly clean all surfaces to be embedded with a suitable cleaning agent to ensure that the surfaces are free from all foreign matter such as dirt, oil and grease.
- C. All steps shall be cast into walls of the precast section so as to form a continuous ladder with a distance of 12-inches between steps.

802.1606 Masonry

- A. Brick:
 - 1. Sound, hard, uniformly burned, regular and uniform in shape and size, compact texture, and satisfactory to the Engineer.
 - 2. Immediately remove rejected brick from the work.
- B. Mortar:
 - 1. Composition (by volume):
 - a. 1 part portland cement.
 - b. 1/2 part hydrated lime.

- c. 4-1/2 parts sand.
- 2. The proportion of cement to lime may vary from 1:1/4 for hard brick to 1:3/4 for softer brick, but in no case shall the volume of sand exceed 3 times the sum of the volume of cement and lime.
- C. Cement shall be Type II portland cement.
- D. Hydrated lime shall be Type S.
- E. Sand:
 - 1. Shall consist of inert natural sand.
 - 2. Grading:

<u>Sieve</u>	<u>Percent Passing</u>
3/8-inch	100
No. 4	95-100
No. 8	80-100
No. 16	50-85
No. 50	10-30
No. 100	2-10
Fineness Modulus	2.3 - 3.1

CONSTRUCTION REQUIREMENTS

802.1607 Precast Manhole Sections. Perform jointing in accordance with manufacturer's recommendations and as approved by the Engineer. Install riser sections and tops level and plumb. Make all joints watertight. When necessary, cut openings carefully to prevent damage to barrel sections and tops. Solidly fill annular spaces around pipes entering the manholes with non-shrink grout or sealant approved by the Engineer. Replace damaged manhole sections and tops at no additional cost to MDOT. When manhole steps are included in the Work, install barrel sections and tops so that steps are in alignment.

802.1608 Drop Manholes. The difference in elevation between the invert of the inlet pipe to the invert of the outlet pipe shall not exceed 24 inches without use of a drop structure. Where difference in elevation exceeds 24 inches, construct a drop manhole as shown on the Drawings or as directed by the Engineer.

802.1609 Adjust to Grade. Adjust tops of manholes to grade with brick masonry. Concrete rings are not acceptable for adjusting to grade.

802.1610 Pipe Connections to Manholes. Connect pipes to manholes with joint design and materials approved by the Engineer.

802.1611 Invert Channels. Smooth and semicircular in shape conforming to the inside of the adjacent sewer section. Make changes in direction of flow with smooth curves having a radius as large as permitted by the size of the manhole. Stop the pipes at the inside face of the manhole where changes of direction occur. Form invert channels with brick. Shape invert to make smooth transition in vertical grade. Slope the floor of the manhole to the flow channel, as shown on the Drawings.

802.1612 Masonry. When laying brick, use only clean bricks in brickwork for manholes. Moisten the brick by suitable means until they are neither so dry as to absorb water from the mortar nor so wet as to be slippery when laid. Lay each brick in a full bed and joint of mortar without requiring subsequent grouting, flushing, or filling, and thoroughly bond as directed. Construct all joints in a neat workmanlike manner. Construct the brick surfaces inside the manholes so they are smooth with no mortar extending beyond the bricks and no voids in the joints. Maximum mortar joints shall be 1/2 inch. Outside faces of brick masonry shall be plastered with mortar from 1/4-inch to 3/8-inch thick. Completed brickwork shall be watertight.

When curing masonry, protect brick masonry from drying too rapidly by using burlaps which are kept moist, or by other approved means. Protect brick masonry from the weather and frost as required.

802.1613 Frames and Covers. Set all frames in a full bed of mortar, true to grade and concentric with the manhole opening. Completely fill all voids beneath the bottom flange to make a watertight fit. Place a ring of mortar at least one inch thick around the outside of the bottom flange, extending to the outer edge of the manhole all around its circumference. Clean the frame seats before setting the covers in place.

802.1614 Plugging and Patching. Fill all exterior cavities with non-shrink grout and with bituminous waterproofing once the concrete and mortar has set. Touch up damaged waterproofing.

802.1615 Cleaning. Thoroughly clean manholes, steps, frames and covers of all debris and foreign matter.

802.1616 Bedding and Backfilling. Bedding of manholes shall be 6 inches of 3/4" screened stone. Backfill a minimum of 18 inches all around manhole with gravel borrow.

802.1617 Frost Protective Wrap. The Contractor shall comply with the manufacturer's instructions for the particular conditions of installations in each case. Clean each manhole exterior of all dirt and remove any sharp protrusions. Apply two (2) 6-inch wide vertical strips of bituminous waterproofing material and/or duct tape from the top to bottom of the manhole per layer. Prior to installing pipe through each manhole or valve pit, wrap each manhole to the maximum depth of frost penetration, but not less than 5 feet below grade, with four (4) layers of the polyethylene material by beginning the wrap at the adhesive strip and proceeding around the manhole, valve pit, etc., continuously by overlapping the adhesive strip by 24 inches on the final layer. Cut the polyethylene wrap in areas where piping exits the manhole. The size of the cut is to be equivalent to the pipe's outside diameter. Tuck and pleat the polyethylene wrap at the top of each manhole in a continuous manner, minimizing the size of each fold. Extend the polyethylene wrap past the top of the manhole frame and temporarily tuck the remainder inside the frame, until final backfill and paving. In paved areas, cut the polyethylene wrap flush with the manhole rim after the pavement is in place. In unpaved areas, pull the polyethylene wrap together, and tie around frame with galvanized wire. Protect the installed frost barrier from harmful weather

exposures and from possible physical abuses, where possible by prompt installation of concealing work or, where that is not possible, by temporary covering or enclosure. Backfill around the manhole/frost barrier with material as outlined in Section 206 - Structural Excavation.

802.1618 Manhole Testing. Perform either a vacuum test or a combination of the exfiltration and infiltration tests on all manholes. All testing must be performed in the presence of the Engineer. Suitably plug all pipes entering each manhole and brace plugs to prevent blow out.

- A. Exfiltration tests after backfilling shall consist of the following:
 - 1. Fill each manhole with water to the top of the manhole frame.
 - 2. A period of up to 2 hours may be permitted, if the Contractor so wishes, to allow for absorption.
 - 3. At the end of the absorption period, refill each manhole with water to the top of the manhole frame and begin the 4-hour test period.
 - 4. At the end of the 4-hour test period, refill each manhole to the top of the manhole frame and measure the volume of water added. The leakage for each manhole shall not exceed 1/16 gallon per foot of diameter per vertical foot (above ground water) per 4-hour period.
- B. Infiltration testing shall consist of the following:
 - 1. When the groundwater is above the bottom of the manhole, infiltration testing may be performed on that portion of the manhole below water level.
 - 2. After a 15-minute period, if no water is visibly moving down the interior surfaces of a manhole, the portion of the manhole below groundwater may be considered to be satisfactorily watertight.
 - 3. The remaining portion above the groundwater level must be tested for exfiltration as specified above.
- C. Vacuum testing shall consist of the following:
 - 1. The manhole shall be tested by a vacuum test after assembly of the manhole, connection piping and backfilling.
 - 2. Plug all lifting holes completely with non-shrink grout.
 - 3. Properly tighten all boot clamps and brace all plugs to prevent them from being sucked into the manhole.
 - 4. Install the testing equipment according to the manufacturer's instructions.
 - 5. A vacuum of 10 inches of Hg shall be drawn on the manhole and the loss of 1 inch of Hg vacuum timed. The manhole shall be considered to have passed the test if the time for the loss of 1 inch of Hg vacuum is two (2) minutes or longer.
 - 6. If the manhole fails the initial test, the Contractor shall locate the leak(s) and make repairs. The manhole shall be retested until a satisfactory test result is obtained.
 - 7. If a satisfactory vacuum test cannot be obtained, the manhole shall be water exfiltration tested and repaired as necessary.

802.1619 Manhole Repairs. Correct leakage by reconstruction, replacement of gaskets and/or other methods as approved by the Engineer. The use of lead-wool or expanding mortar will not be permitted. After the manholes have been backfilled and prior to final acceptance,

any signs of leaks or weeping visible inside the manholes shall be repaired and the manhole made watertight.

802.1620 Removal of Existing Manholes: Where indicated on the drawings, existing manholes shall be removed by the Contractor. After removal, the Contractor shall be responsible for proper disposal of the manholes. Costs for removal and disposal of existing manholes (where indicated) shall be included in the unit price for the installation of new sewer manholes.

802.1621 Method of Measurement: Manholes and accessories will be measured by the number of units, measured as follows, complete, and accepted in place: Each manhole having a depth up to 8 feet from the top of the cover to the top of the floor, measured to the nearest foot, will be one unit. 1/8 of a unit will be added for each additional foot over 8 feet measured to the nearest foot. Depth measurements in excess of the dimensions authorized will not be included.

802.1622 Basis of Payment: The contract unit price per sanitary manhole, shall be full compensation for all labor, materials, tools and equipment necessary to complete this work including excavation, (except ledge excavation), removal and disposal of existing sewer manholes, bedding, constructing inverts, backfill, compaction, furnishing and installing precast sections, waterproofing and testing, frames, covers, concrete and masonry materials, drop structures and associated drop assembly and piping, and all else incidental thereto for which payment is not provided under other items.

Payment will be made under:

<u>Pay Items</u>	<u>Pay Unit</u>
802.16 4' Diameter Precast Sewer Manhole	Each

END OF SECTION

SECTION 803.135 – 6" SERVICE LEADS

803.13501 DESCRIPTION. This work shall consist of providing and installing PVC non-pressure sewer service pipe and fittings of the size(s) and type(s) and in the location(s) shown on the Drawings and as specified herein. The related work specified elsewhere includes; Excavation and backfill, dewatering, pavement, borrow and bedding material.

MATERIALS

803.13502 Materials. Acceptable manufacturers include:

1. Certain-Teed.
2. J-M Manufacturing.
3. Or equivalent.

803.13503 Delivery Storage and Handling. Provide all labor necessary to assist the Engineer to inspect pipe, fittings, gaskets and other materials. Carefully inspect all materials at the time of delivery and just prior to installation. Carefully inspect all pipe and fittings for:

1. Defects and damage
2. Deviations beyond allowable tolerances for joint dimensions.
3. Removal of debris and foreign matter.

Examine area and structures to receive piping for:

1. Defects, such as weak structural components that adversely affect the execution and quality of work.
2. Deviations beyond allowable tolerance for pipe clearances.

All materials and methods not meeting the requirements of the Contract Documents will be rejected. Immediately remove all rejected materials from the project site.

803.13504 Pipe and Fittings. The polyvinyl chloride pipe and fittings, including those required for stubs, shall conform to ASTM standard specification for PVC Sewer Pipe and Fittings, Designation D 3034 (SDR 35) (4" to 15"). Straight pipe shall be furnished in lengths of not more than 13 feet. Saddles will not be allowed.

803.13505 Joints. Joints for the polyvinyl chloride pipe shall be push-on joints using factory installed elastomeric ring gaskets. The gaskets shall be securely fixed into place by the manufacturer so that they cannot be dislodged during joint assembly. The gaskets shall be of a composition and texture which is resistant to common ingredients of sewage and industrial wastes, including oils and ground water, and which will endure permanently under the conditions of the proposed use. The joints shall conform to ASTM Specifications for Joints for Drain and Sewer Plastic Pipes using Flexible Elastomeric Seals, Designation D3212-76.

CONSTRUCTION REQUIREMENTS

803.13506 Inspection. Each pipe unit shall be inspected before being installed. No single piece of pipe shall be laid unless it is generally straight. The centerline of the pipe shall not deviate from a straight line drawn between the centers of the openings at the ends of the pipe by more than 1/16 inch per foot of length. If a piece of pipe fails to meet this requirement for straightness it shall be rejected and removed from the site. Any pipe unit or fitting discovered to be defective either before or after installation shall be removed and replaced with a sound unit.

803.13507 Jointing. All pipe and fittings shall be cleared of all debris, dirt, etc., before being installed and shall be kept clean until accepted in the completed work. Pipe and fittings shall be installed to the lines and grades indicated on the drawings or as required by the Engineer. Care shall be taken to insure true alignments and gradients. All joint surfaces shall be cleaned. Immediately before jointing the pipe, the bell or groove shall be lubricated in accordance with the manufacturer's recommendation. Each pipe unit shall then be carefully pushed into place without damage to pipe or gasket. Suitable devices shall be used to force the pipe units together so that they will fit with a minimum open recess inside and outside and have tightly sealed joints. Care shall be taken not to use such force as to wedge apart and split the bell or groove ends. Joints shall not be "pulled" or "cramped" unless permitted by the Engineer.

803.13508 Method of Measurement: Service leads measured for payment shall be the number of linear feet installed measured along the center line of the pipe as laid from the sewer main to the connection to the existing service connection

803.13509 Basis of Payment:

1. The contract unit price per linear feet for service leads shall be full compensation for all labor, materials, and equipment necessary to complete this work including excavation, removal and disposal of existing sewer service pipe, dewatering, bedding, furnishing and installing pipe (including couplings), backfill, compaction, maintaining the trench per requirements of MDOT during construction until pavement is placed, locating existing services, handling existing flows during construction of new facilities and all else incidental thereto for which payment is not provided under other items.

Payment will be made under:

Pay Item

Pay Unit

803.135 6" Service Leads

linear feet

END OF SECTION

GENERAL NOTES:

1. AS BUILT BASE PLANS WERE PROVIDED BY THE MAINE DEPARTMENT OF TRANSPORTATION (MDOT) BASED ON 1985 BAR HARBOR FEDERAL AD PRIMARY PROJECT NO. RS-0257(10).
2. THE SEWER REPLACEMENT WORK SHOWN ON THESE DRAWINGS IS TO BE DONE IN AREAS OF PAVEMENT OVERLAY BY MDOT.
3. BELOW GRADE UTILITY INFORMATION IS BASED ON INFORMATION PROVIDED BY MDOT AND THE TOWN OF BAR HARBOR. LOCATION OF PUBLIC UTILITIES SHOWN IS ONLY APPROXIMATE AND MAY NOT BE COMPLETE. PRIVATE UNDERGROUND UTILITIES SUCH AS, BUT NOT LIMITED TO, SEWER LINES, WATER LINES AND BURIED ELECTRICAL SERVICE ENTRANCES ARE NOT SHOWN. THE CONTRACTOR SHALL ASCERTAIN THE LOCATION AND SIZE OF EXISTING UTILITIES IN THE FIELD WITH THE RESPECTIVE UTILITY REPRESENTATIVE PRIOR TO COMMENCING WORK. REFER TO THE SPECIFICATIONS. TEST PITS MAY BE REQUIRED. UTILITY CONTACTS ARE AS FOLLOWS:

ELECTRIC:

BANCOR HYDRO
P.O. BOX 9900
BANCOR, ME 04402
TEL: 1-800-499-8600

WATER:

BAR HARBOR WATER CO.
577 MAIN STREET
BAR HARBOR, ME 04609
TEL: (207) 288-3555

TELEPHONE:

VERIZON
P.O. BOX 1939
PORTLAND, ME 04104
TEL: 1-888-344-7233

SANITARY SEWER:

TOWN OF BAR HARBOR
PUBLIC WORKS DEPARTMENT
135 LEDGELAWN AVENUE
BAR HARBOR, ME 04609
TEL: (207) 288-4681

DIG SAFE:

TEL: 1-800-225-4977

WITH THE EXCEPTION OF SEWER ADJUSTMENT OF ALL UTILITY COVERS OR SIMILAR STRUCTURES TO THE NEW PAVEMENT GRADE WILL BE PERFORMED BY THE APPROPRIATE UTILITY OR ITS AUTHORIZED REPRESENTATIVE. THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY IN EVERY WAY TO EXPEDITE SUCH ADJUSTMENTS. CONTRACTOR TO COORDINATE ALL UTILITY RELOCATION AND INSTALLATION WITH APPROPRIATE UTILITY COMPANIES.

4. ALL EXISTING SEWER AND STORM DRAIN LINES ENCOUNTERED DURING CONSTRUCTION ARE TO REMAIN IN SERVICE EXCEPT AS OTHERWISE NOTED. ANY EXISTING SEWERS, STORM DRAIN LINES OR CULVERT DAMAGED DURING CONSTRUCTION AND NOT TO BE REPLACED SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO MDOT OR TOWN.

5. THE CONTRACTOR MAY ENCOUNTER ASBESTOS CEMENT PIPE DURING PROSECUTION OF THE WORK. CONTRACTOR SHALL CONFORM TO ALL APPLICABLE PROVISIONS OF FEDERAL, STATE AND LOCAL REGULATIONS WHEN HANDLING AND/OR DISPOSING OF ASBESTOS CEMENT PRODUCTS. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR HANDLING AND/OR DISPOSAL OF ASBESTOS CEMENT PIPE.

6. ALL STRUCTURES AND PIPELINES LOCATED ADJACENT TO THE TRENCH EXCAVATION SHALL BE PROTECTED AND FIRMLY SUPPORTED BY THE CONTRACTOR UNTIL THE TRENCH IS BACKFILLED. INJURY TO ANY SUCH STRUCTURES CAUSED BY OR RESULTING FROM, THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. ALL UTILITIES REQUIRING REPAIR, RELOCATION OR ADJUSTMENT AS A RESULT OF THE PROJECT SHALL BE COORDINATED THROUGH THE RESPECTIVE UTILITY.

7. IN THOSE INSTANCES WHERE POWER OR TELEPHONE POLE SUPPORT IS REQUIRED, THE CONTRACTOR SHALL PROVIDE A 48 HOUR NOTICE TO BANCOR HYDRO OR VERIZON, RESPECTIVELY. NO ADDITIONAL PAYMENT WILL BE PROVIDED FOR TEMPORARY BRACING OF UTILITIES.

8. DO NOT SCALE DRAWINGS UNLESS OTHERWISE NOTED. WRITTEN DIMENSIONS AND STATIONING SHALL PREVAIL. REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.

9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT OF ALL PROPOSED LINES AND STRUCTURES AS SHOWN ON THE DRAWINGS. THE LAYOUT PLAN SHALL BE REVIEWED BY THE ENGINEER PRIOR TO CONSTRUCTION. THE HORIZONTAL ALIGNMENT OF THE NEW SEWERS MAY BE ADJUSTED IN THE FIELD SUBJECT TO PRIOR APPROVAL BY THE ENGINEER. ORIENTATION IS GRID NORTH MAINE STATE PLANE COORDINATE SYSTEM. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL ELEVATION REFERENCE INFORMATION PRIOR TO USE IN CONSTRUCTION.

10. CONTRACTOR SHALL INSTALL AND MAINTAIN TRAFFIC CONTROL DEVICES AS NECESSARY AND IN A MANNER CONSISTENT WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.).

11. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRAFFIC FLOW AT ALL TIMES. THE CONTRACTOR IS REQUIRED TO SUBMIT A TRAFFIC CONTROL PLAN TO MDOT PRIOR TO COMMENCING CONSTRUCTION. THE BAR HARBOR POLICE DEPARTMENT AND FIRE DEPARTMENT ARE TO BE NOTIFIED AT LEAST 24 HOURS IN ADVANCE OF ANY SIDE STREET CLOSING OR DETOUR. ROUTE 3 SHALL REMAIN OPEN TO ONE-WAY TRAFFIC AT ALL TIMES.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION OF EROSION. ALL DISTURBED EARTH SURFACES ARE TO BE STABILIZED IN THE SHORTEST PRACTICAL TIME AND TEMPORARY EROSION CONTROL DEVICES SHALL BE EMPLOYED UNTIL PERMANENT EROSION CONTROL HAS BEEN ACHIEVED. TEMPORARY STORAGE OF EXCAVATED MATERIAL IS TO BE IN A MANNER THAT WILL PREVENT EROSION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DISPOSAL OF UNSUITABLE EXCAVATED MATERIAL AT A SITE PROVIDED BY HIM WHICH IS SUITABLE TO THE MDOT AND IS IN COMPLIANCE WITH ALL STATE AND LOCAL LAWS. MATERIALS AND METHODS USED FOR TEMPORARY EROSION CONTROL SHALL BE AS SPECIFIED BY THE MAINE EROSION AND SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION. BEST MANAGEMENT PRACTICES PREPARED BY THE MAINE SOIL AND WATER CONSERVATION COMMISSION. REFER TO THE SPECIFICATIONS.

13. COMPACTION TESTS SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS. ANY SETTLEMENT OCCURRING WITHIN ONE YEAR OF SUBSTANTIAL COMPLETION OF THE PROJECT WILL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO MDOT OR THE TOWN.

14. WHEREVER PROPOSED STRUCTURES ARE LOCATED PARTLY WITHIN A PAVED AREA AND PARTLY IN A NON-PAVED AREA, A BITUMINOUS CONCRETE PAVED APRON 2-FOOT WIDE SHALL BE SUPPLIED AROUND THE PROPOSED COVER. PAVEMENT SHALL SLOPE AWAY FROM THE COVER.

15. OPEN TRENCHES IN THE ROADWAY MUST BE BACKFILLED AT THE END OF EACH WORKDAY WITH TEMPORARY OR PERMANENT PAVEMENT, UNLESS OTHERWISE INDICATED BY MDOT.

16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTING ALL EXISTING PROPERTY MONUMENTATION THAT IS DISTURBED BY HIS OPERATIONS AT NO EXPENSE TO MDOT AND THE TOWN. THIS WORK IS TO BE DONE BY A LAND SURVEYOR REGISTERED IN THE STATE OF MAINE.

17. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

18. MATERIAL EXCAVATED CAN BE UTILIZED AS BACKFILL. CARE SHALL BE TAKEN NOT TO CONTAMINATE BASE MATERIAL. ANY UNSUITABLE EXCAVATED MATERIAL IS TO BE REPLACED WITH SPECIFIED MATERIALS AT NO ADDITIONAL COST TO THE OWNER OR MDOT.

19. WHERE SEWER MAINS AND HOUSE SERVICE CONNECTIONS CROSS WATER MAINS THEY SHALL BE INSTALLED UNDER THE WATER MAIN WHENEVER POSSIBLE. A MINIMUM SEPARATION OF 18" BETWEEN THE BOTTOM OF THE WATER LINE AND THE TOP OF THE SEWER SHALL BE MAINTAINED. WHERE SITE CONDITIONS DICTATE LESS THAN THE ABOVE REFERENCED 18" REQUIRED, ONE FULL LENGTH OF PIPE SHALL BE CENTERED AT THE POINT OF CROSSING TO LOCATE JOINTS AS FAR AS POSSIBLE FROM THE WATER MAIN. WHERE DIRECT GRADE CONFLICT OCCURS, THE CONTRACTOR SHALL RELOCATE THE WATER MAIN TO THE SATISFACTION OF THE BAR HARBOR WATER COMPANY.

20. A DROP STRUCTURE SHALL BE PROVIDED FOR ALL MANHOLES WHERE A SEWER ENTERING THE MANHOLE IS 24 INCHES OR MORE ABOVE THE INVERT OF THE OUTLET PIPE. WHEN THE DIFFERENCE IN ELEVATION IS LESS THAN 24 INCHES, THE MANHOLE INVERT SHALL BE CONSTRUCTED TO PROVIDE A SMOOTH TRANSITION THROUGH THE MANHOLE.

21. THE LOCATIONS OF SEWER SERVICE CONNECTIONS ARE APPROXIMATE. THE ACTUAL LENGTH, NUMBER AND LOCATIONS WILL BE DETERMINED IN THE FIELD. THE CONTRACTOR IS TO RECONNECT EXISTING SEWER SERVICES TO THE SEWER MAIN DURING THE SEWER INSTALLATION.

22. WHERE NEW PIPING IS TO BE CONNECTED TO EXISTING PIPING, THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ADAPTERS, FITTINGS, AND ADDITIONAL PIPE AS REQUIRED TO COMPLETE THE CONNECTION. SOLID SLEEVE TYPE COUPLINGS WILL BE INSTALLED TO CONNECT THE NEW SEWER MAIN TO THE EXISTING SEWER MAIN. FLEXIBLE COUPLINGS WILL ONLY BE ALLOWED TO CONNECT NEW SERVICE CONNECTIONS TO EXISTING SERVICES.

23. CONTRACTOR SHALL VERIFY LOCATION, ELEVATION, ORIENTATION AND MATERIAL OF CONSTRUCTION OF EXISTING SEWER. TEST PITS SHALL BE USED AS REQUIRED.

24. THE CONTRACTOR SHALL MAINTAIN SEWER SERVICE TO ALL USERS DURING REPLACEMENT OF SEWER MAINS AND SERVICES. THE CONTRACTOR SHALL SUPPLY NECESSARY PUMPS, CONDUIT AND OTHER EQUIPMENT (INCLUDING STANDBY EQUIPMENT) TO PUMP THE FLOW OF SEWAGE AROUND THE CONSTRUCTION AREA. FURNISH AND INSTALL LABOR AND 24-HOUR SUPERVISION (IF NECESSARY) TO SET UP AND OPERATE THE PUMPING AND BYPASS SYSTEM.

25. CONTRACTOR TO BACKFILL THE SEWER TRENCH TO MEET THE GRADES REQUIRED BY MDOT, TO ALLOW PASSAGE OF VEHICLES DURING CONSTRUCTION, PRIOR TO PAVING. CONTRACTOR TO COORDINATE WITH MDOT.

26. SCREENED STONE USED FOR PIPE BEDDING AND INITIAL BACKFILL AND MANHOLE BEDDING, SHALL MET THE FOLLOWING GRADATION REQUIREMENTS.

SIEVE DESIGNATION	PERCENT BY WEIGHT PASSING SQUARE MESH SIEVE
1 INCH	100
3/4 INCH	90-100
3/8 INCH	20-35
NO. 10	0-10
NO. 8	0-5

27. CONTRACTOR TO PROVIDE RECORD DRAWINGS FOR SEWER REPLACEMENT. INFORMATION ON RECORD DRAWINGS WILL INCLUDE:

- THE LOCATION OF EXISTING UTILITIES ENCOUNTERED DURING SEWER INSTALLATION, INCLUDING SEWER TIES AND ELEVATIONS.
- LOCATION OF MANHOLES WITH SWING TIES.
- ACTUAL DISTANCE BETWEEN MANHOLES MEASURED FROM CENTER OF MANHOLES.
- ACTUAL SLOPE OF SEWER AS INSTALLED.
- FOR HOUSE EASEMENTS PROVIDE:
 - DISTANCE FROM MANHOLE TO THE WYE
 - SWING TIES TO THE LOCATION OF THE HOUSE SERVICE CONNECTION TO THE EXISTING SEWER PIPE

ALL SWING TIES SHALL BE TAKEN FROM PERMANENT FEATURES THAT SHOW IN THE PLANS.

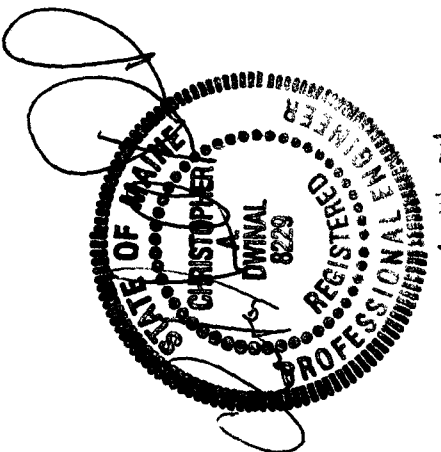
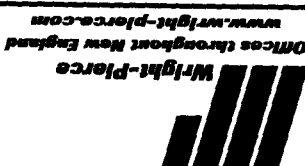
DEMOLITION NOTES:

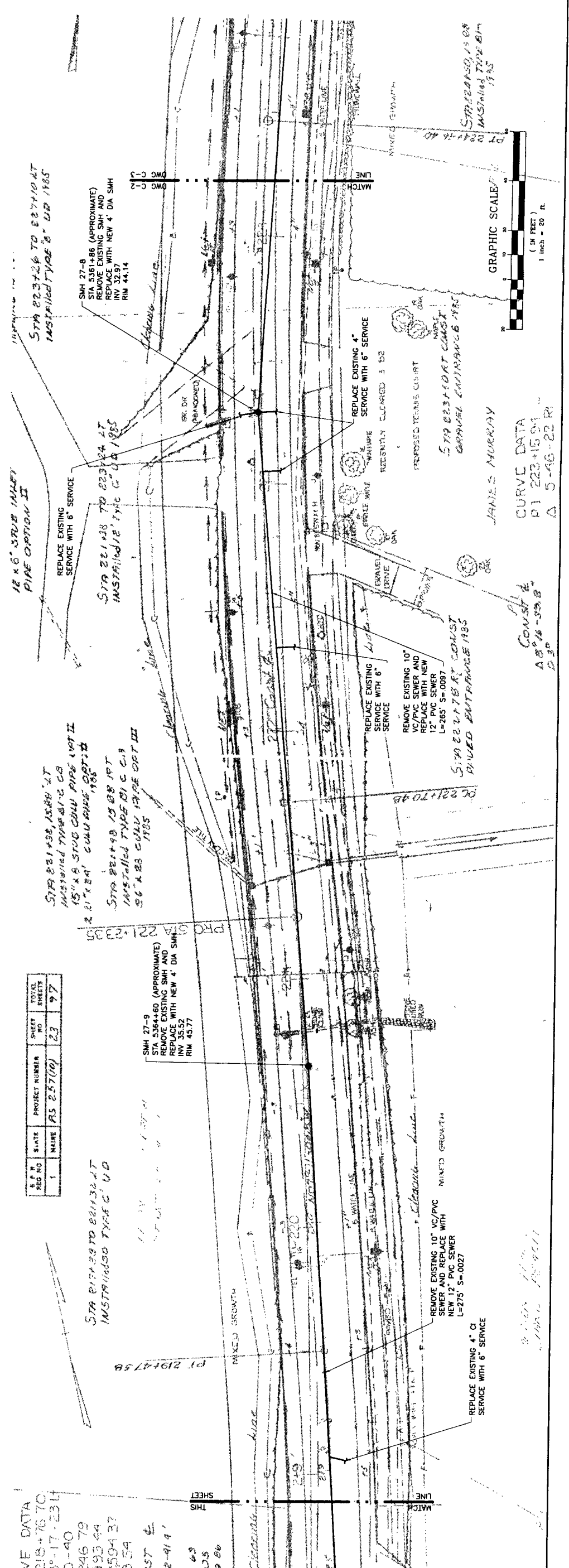
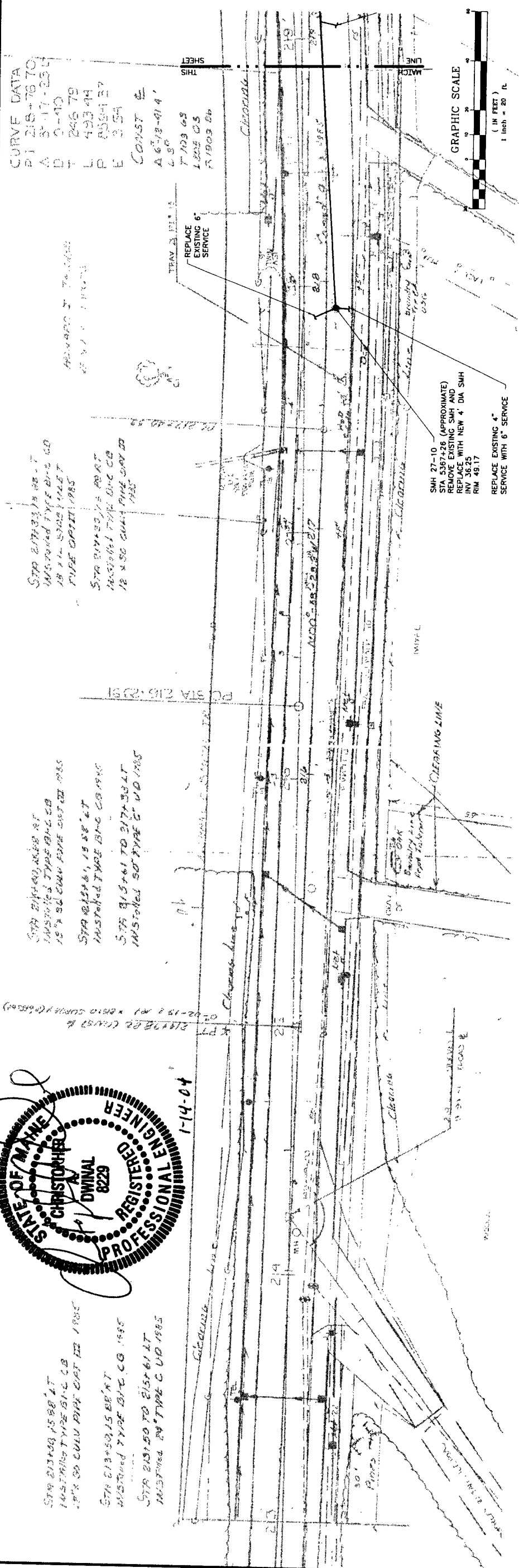
1. ALL EXISTING SEWER MANHOLES AND SEWER PIPES INDICATED TO BE REPLACED SHALL BE COMPLETELY REMOVED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DISPOSE OF THE REMOVED MANHOLES AND PIPES.


LEGEND

EXISTING	PROPOSED
CENTERLINE	
EDGE OF PAVEMENT	
EDGE OF GRAVEL	
STONEWALL	
TREELINE	
RETAINING WALL	
SEWER	
WATER	
STORM DRAIN	
CULVERT	
SEWER MANHOLE	● SMH
DRAINAGE MANHOLE	
CATCH BASIN	
HYDRANT	
UTILITY POLE	
CONIFEROUS TREE	
DECIDUOUS TREE	
DRAINAGE SWALE	
RIPRAP	
RAILROAD	
MATCHLINE	
ROCK OUTCROP	

NO.	REVISIONS	APPROVED DATE	PROJECT NO.	SCALE
1			10319A	DATE 1/14/04
2				BOOK NO.
3				CHECKED BY BCB
4				DATE 1/14/04
5				APPROVED BY CAO
6				DATE 1/14/04
7				DESIGNED BY CLB
8				PROJECT NO. 10319A
9				SCALE
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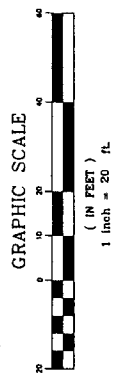


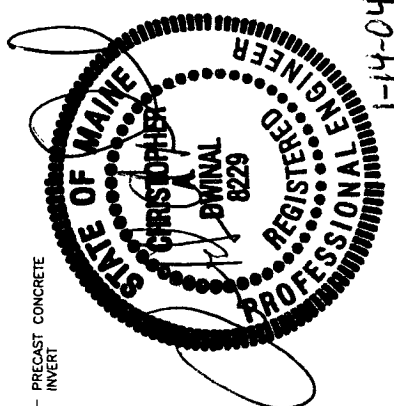
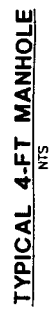
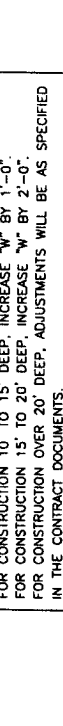




Wright-Pierce
Offices throughout New England
www.wright-pierce.com

1-14-04





Permits & Cultural Resources Unit

PIN #: 9814.00

Location: Mount Desert

Permit Member: Laurie Rowe

Photographs ☐

Database/Projex ☒

Package to ENV Coordinator: 2/19/04

☒ **Section 106 and Tribal Consultation**

Architectural Resources

MOA ☐ Applicable ☒ Approved ☒

Archeological Resources

MOA ☐ Applicable ☒ Approved ☒

Tribal Consultation

N/A ☐ Applicable ☒ Approved ☒

☒ **4(f) and 6(f)**

Section 4(f)

N/A ☒ Applicable ☐ Approved ☐

LAWCON 6(f)

N/A ☒ Applicable ☐ Approved ☐

☒ **FEMA**

N/A ☒ Applicable ☐ Approved ☐

☒ **Maine Department of Environmental Protection (MDEP) Site Location of Development**

N/A ☒ Applicable ☐ Approved ☐

☒ **Local Zoning, Title 30-A, Section 4325-6.**

Is the project something other than the highway and bridge system, such as a maintenance lot, building/parking facility? Yes

☐ No ☒. If no, the project is exempt.

If yes, continue. Does the town in which the project is located have a comprehensive plan consistent with the Growth Management Program? Yes ☐ No ☐. If no, the project is exempt.

If yes, local zoning ordinances and/or permits are needed.

Approved ☐

☒ **Maine Department of Inland Fisheries and Wildlife (MDIFW) Essential Habitat**

Eagle Nest

N/A ☒ Applicable ☐ Approved ☐

Piping Plover

N/A ☒ Applicable ☐ Approved ☐

Roseate Tern

N/A ☒ Applicable ☐ Approved ☐

☒ **United States Fish and Wildlife Service (USFWS), Migratory Bird Act**

N/A ☒ Applicable ☐

☒ **Maine Department of Conservation/ Public Lands, Submerged Land Lease**

N/A ☒ Applicable ☐

☒ **Land Use Regulation Commission (LURC)** ☒ Not Applicable

No permit

☐

Notice

☐

Approved ☐

Permit

☐

Approved ☐

☒ **Maine Department of Environmental Protection (MDEP), Natural Resource Protection Act**

No permit required ☐

Exempt ☐

(Must use erosion and sediment control and not block fish passage.)

PBR ☒

Approved ☒

Tier 1 ☐

Approved ☐

Tier 2 ☐

Approved ☐

Tier 3 ☐

Approved ☐

☒ **Army Corps of Engineers (ACOE), Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act.**

No permit required ☐

Category 1-NR ☐

Approved ☐

Category 2 ☒

Approved ☒

Category 3 ☐

Approved ☐

☒ **IN-WATER TIMING RESTRICTIONS: 105 Special Provision** ☒ n/a ☐

Dates instream work is allowed: May 1 to October 1

☒ **Special Provision 656, Erosion Control Plan**

Boxes marked in red indicate items that are attached and need to be placed in the contract by the Project Manager.

DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP)
PERMIT BY RULE NOTIFICATION FORM
(For use with DEP Regulation, Chapter 305)

■ MDOT PIN: 9814.00

Name of Applicant: State of Maine Department of Transportation Name of Contact: David Gardner
Mailing Address: 16 Station State House Town/City: Augusta State: Me. Zip Code: 04330-0016
Daytime Telephone #: (207)-624-3105 Name of Wetland, Water Body or Stream: Unnamed Stream

Detailed Directions to Site: Project is located on Routes 3 & 198 and begins at the southerly intersection of Routes 3 and 198 and proceeds north 1.00 miles

Town/City: Mount Desert

Map #: N/A

Lot #: N/A

County: Hancock

Description of Project: Project scope is 12 ft travel way and 6 ft shoulders, gravel fills, stone ditch, sediment pools, curb sections with under drain and catch basins. A 24 inch CMP crosspipe will be replaced instream. The project will be performed in accordance with erosion control measures conforming with the latest versions of the *State of Maine Department of Transportation Standard Specifications for Highways and Bridges* and the *Department of Transportation's Best Management Practices for Erosion and Sediment Control*.

Part of a larger project? ☐ Yes ☒ No

(CHECK ONE) This project... ☒ does ☐ does not ...involve work below mean low water.

I am filing notice of my intent to carry out work which meets the requirements for Permit By Rule (PBR) under DEP Regulation, Chapter 305. I have a copy of PBR Sections checked below. I have read and will comply with all of the standards.

- | | | |
|---|---|---|
| <input type="checkbox"/> Sec. (2) Soil Disturbance | <input type="checkbox"/> Sec. (8) Shoreline stabilization | <input type="checkbox"/> Sec. (14) Piers, Wharves & Pilings |
| <input type="checkbox"/> Sec. (3) Intake Pipes | <input type="checkbox"/> Sec. (9) Utility Crossing | <input type="checkbox"/> Sec. (15) Public Boat Ramps |
| <input type="checkbox"/> Sec. (4) Replacement of Structures | <input type="checkbox"/> Sec. (10) Stream Crossing | <input type="checkbox"/> Sec. (16) Coastal Sand Dune Projects |
| <input type="checkbox"/> Sec. (5) REPEALED | <input checked="" type="checkbox"/> Sec. (11) State Transport. Facilities | <input type="checkbox"/> Sec. (17) Transfers/Permit Extension |
| <input type="checkbox"/> Sec. (6) Movement of Rocks or Vegetation | <input type="checkbox"/> Sec. (12) Restoration of Natural Areas | <input type="checkbox"/> Sec. (18) Maintenance Dredging |
| <input type="checkbox"/> Sec. (7) Outfall Pipes | <input type="checkbox"/> Sec. (13) F&W Creation/Enhance/Water Quality Improvement | |

I authorize staff of the Departments of Environmental Protection, Inland Fisheries & Wildlife, and Marine Resources to access the project site for the purpose of determining compliance with the rules. I also understand that **this permit is not valid until approved by the Department or 14 days after receipt by the Department, whichever is less.**

I have attached all of the following required submittals. **NOTIFICATION FORMS CANNOT BE ACCEPTED WITHOUT THE NECESSARY ATTACHMENTS:**

- A \$50 (non-refundable) payment shall be done by internal billing.
- Attach a U.S.G.S. topo map or Maine Atlas & Gazetteer map with the project site clearly marked.
- ☐ Attach photographs showing existing site conditions (unless not required under standards).

Signature of Applicant: _____

John E. Dority, Chief Engineer

Date: _____

12/24/03

Keep the bottom copy as a record of permit. Send the form with attachments via certified mail to the Maine Dept. of Environmental Protection **at the appropriate regional office listed below.** The DEP will send a copy to the Town Office as evidence of the DEP's receipt of notification. No further authorization by DEP will be issued after receipt of notice. Permits are valid for two years. **Work carried out in violation of any standard is subject to enforcement action.**

AUGUSTA DEP STATE HOUSE STATION 17 AUGUSTA, ME 04333-0017 (207)287-2111 PORTLAND DEP 312
CANCO ROAD PORTLAND, ME 04103 (207)822-6300 BANGOR DEP 106 HOGAN ROAD BANGOR, ME
04401 (207)941-4570 PRESQUE ISLE DEP 1235 CENTRAL DRIVE PRESQUE ISLE, ME 04769 (207)764-0477

OFFICE USE ONLY
PBR # FP

Ck.#

Date

Staff

Acc. Date

Staff
Def. Date

After Photos



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
NEW ENGLAND DISTRICT, CORPS OF ENGINEERS
696 VIRGINIA ROAD
CONCORD, MASSACHUSETTS 01742-2751

**DEPARTMENT OF THE ARMY PROGRAMMATIC GENERAL PERMIT
STATE OF MAINE, SUMMARY OF SCREENING AND STATUS**

OFFICE OF ENVIRON. SERVICES
MAINE DEPT. OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE 04333

CORPS PERMIT # 200400092
CORPS PGP ID# 04-001
STATE ID# PBR

DESCRIPTION OF WORK AS ON ATTACHED STATE APPN:

Place fill below the ordinary high water line of Hadlock Brook at Mt. Desert, Maine in order to construct a bikeway adjacent to
Route 3/198. Approximately 245 square feet (0.1 acres) of stream bed will be impacted by the project.
DOT PIN # 9814.00

UTM GRID COORDINATES N: 44° 19' 4.72" W: 68° 17' 18.01" USGS QUAD: S.W. HARBOR, ME

I. STATE ACTIONS: PENDING [X] ISSUED [] DENIED [] DATE

LEVEL OF STATE REVIEW: PERMIT BY RULE: X TIER 1: TIER 2: TIER 3: (NRPA); LURC

II. FEDERAL ACTIONS:

DATE STATE FILE REVIEWED: 1/15/04 (PGP JP MEETING)

LEVEL OF CORPS REVIEW: CATEGORY 1: CATEGORY 2: X

AUTHORITY: SEC 10 404 X 10/404 103

EXCLUSIONS: The exclusionary criteria identified in the general permit do not apply to this project.

ESSENTIAL FISH HABITAT (EFH): EFH PRESENT Y / N (CIRCLE ONE)

IF YES: Based on the terms and conditions of the PGP, which are intended to ensure that authorized projects cause no more than minimal environmental impacts, the Corps of Engineers has preliminary determined that this project will not cause more than minimal adverse effects to EFH identified under the Magnuson-Stevens Fisheries Conservation and Management Act.

FEDERAL RESOURCE AGENCY OBJECTIONS: EPA NO, USF&WS NO, NMFS NO

CORPS DETERMINATION: We authorize your project as proposed and as shown on the plans submitted to the Corps under the State of Maine PGP.

Please note that all work is subject to the conditions contained in the general permit and any additional special conditions listed on any attached sheets. No work may be started unless and until all other required local, State and Federal licenses and permits have been obtained. Also, this permit requires you to notify us before beginning work and allow us to inspect the project. Hence, you must complete and return the attached Work Start Notification Form(s) to this office no later than two weeks before the anticipated starting date. (FOR PROJECTS REQUIRING MITIGATION, BE SURE TO INCLUDE MITIGATION WORK START FORM)

Additional Special conditions Attached: YES / NO (CIRCLE ONE)

The Corps of Engineers has implemented an administrative appeals process for jurisdictional determinations. If you are interested in appealing the jurisdictional determination for this project; or if you would like any additional information pertaining to the appeals process, please contact Shawn Mahaney or Rod Howe of my staff at 207-623-8367 at our Manchester, Maine Project Office.

JAY L. CLEMENT
SENIOR PROJECT MANAGER
MAINE PROJECT OFFICE

FRANK J. DELGIUDICE
ACTING CHIEF, PERMITS & ENFORCEMENT BRANCH
REGULATORY DIVISION
DATE 2/6/04



**US Army Corps
of Engineers®**
New England District

**ADDITIONAL CONDITIONS FOR
DEPARTMENT OF THE ARMY
PROGRAMMATIC GENERAL PERMIT
NO. 200400092**

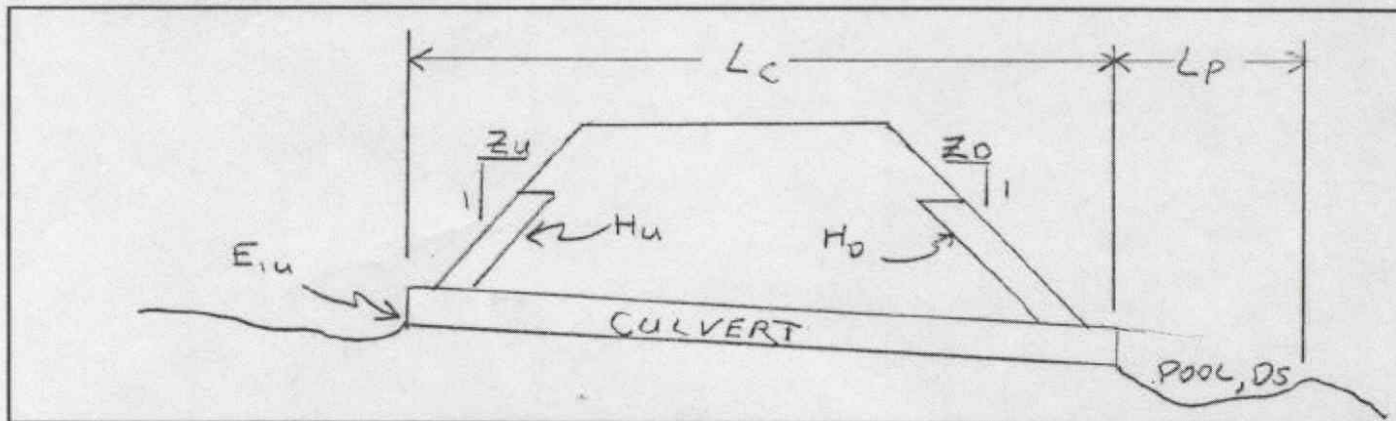
1. Adequate sedimentation and erosion control devices, such as geo-textile silt fences or other devices capable of filtering the fines involved, shall be installed and properly maintained to minimize adverse impacts on waters and wetlands during construction. These devices must be removed upon completion of work and stabilization of disturbed areas. The sediment collected by these devices must also be removed and placed upland, in a manner that will prevent its later erosion and transport to a waterway or wetland.
2. All exposed soils resulting from the construction will be promptly seeded and mulched in order to achieve vegetative stabilization.
3. The permittee shall assure that a copy of this permit is at the work site whenever work is being performed and that all personnel performing work at the site of the work authorized by this permit are fully aware of the terms and conditions of the permit. This permit, including its drawings and any appendices and other attachments, shall be made a part of any and all contracts and sub-contracts for work which affects areas of Corps of Engineers' jurisdiction at the site of the work authorized by this permit. This shall be done by including the entire permit in the specifications for the work. If the permit is issued after construction specifications but before receipt of bids or quotes, the entire permit shall be included as an addendum to the specifications. The term "entire permit" includes permit amendments. Although the permittee may assign various aspects of the work to different contractors or sub-contractors, all contractors and sub-contractors shall be obligated by contract to comply with all environmental protection provisions of the entire permit, and no contract or sub-contract shall require or allow unauthorized work in areas of Corps of Engineers jurisdiction.
4. Replacement culverts shall be installed with their inverts at or below existing stream bed grade so as to avoid "hanging" and associated impediments to fish passage.

Project Name: Mt. DesertInvestigator's Name: L. Rowe/J. NicholsDate: 2/3/04Project PIN: 9814.00

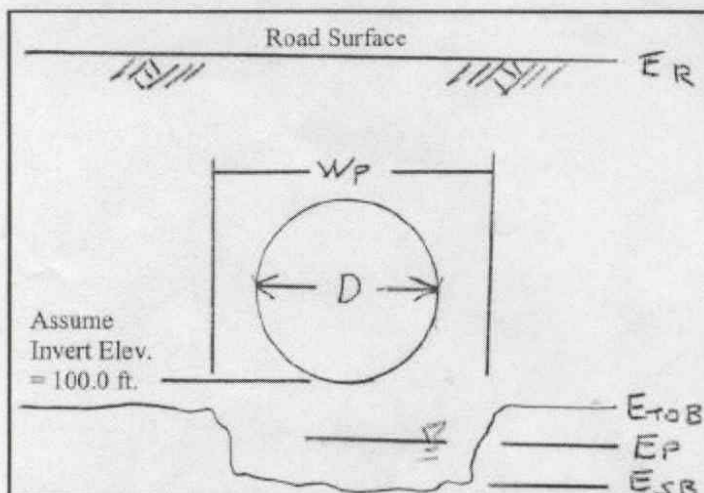
Culvert Location: _____

Additional Notes: Down stream pool will be stabilized and constructed. Downstream outlet will be dropped 6"

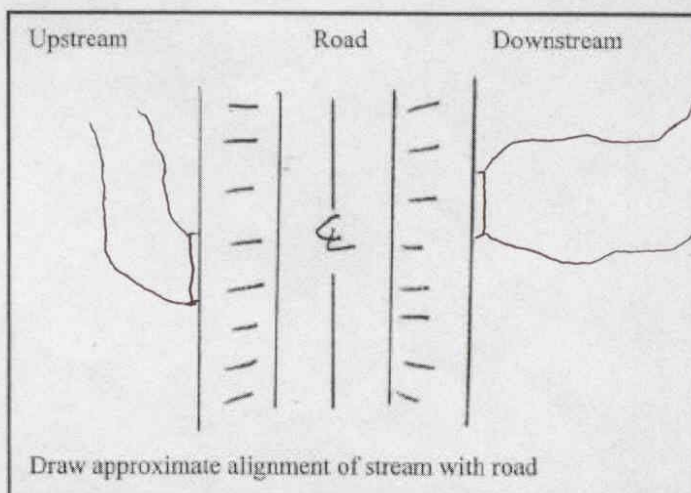
Profile of Culvert



Cross Section of Culvert



Plan View of Culvert



All dimensions in feet		Existing	Proposed
L_C	Length of Culvert	66'	78'
L_P	Length of Pool, DS	10'	8'
W_P	Width of Pool, DS	8'	8'
E_{IU}	Elevation Invert US	100.4'	100.4'
E_P	Elevation of Water-DS Pool	101'	101'
E_{SB}	Elevation of Streambed one pipe diameter DS	Ice Covered	

All dimensions in feet		Existing	Proposed
E_R	Elevation of CL Road	109.8'	109.8'
E_{TOB}	Elev. of Top of Bank, DS	102.5'	102.5'
H_U^*	Headwall Treatment, US	SB	SB
H_D^*	Headwall Treatment, DS	SB	SB
Z_U	Slope Value, US	1:1	1:1
Z_D	Slope Value, DS	2:1	3:1

US = Upstream; DS = Downstream; HW = Headwater

Elevation of lowest downstream invert is assumed to be 100.0 all other elevations relative to it.

* Types of Headwall Treatment: RR - Rip Rap; CC - Concrete; SB - Stone Block, V - Vegetation (may enter multiple values)

All dimensions in feet		Existing			Proposed		
		Pipe 1	Pipe 2	Pipe 3	Pipe 1	Pipe 2	Pipe 3
D	Diameter of Pipe	24"			24"		
P_T	Type of Pipe *	CMP			smooth plastic base		
P_S	Shape of Pipe **	Round			Round		

* Types of Pipes: RCP - Reinforced Concrete Pipe, CMP - Corrugated Metal Pipe, HDPE - High Density Polyethylene Pipe, PA - Pipe Arch, OB - Open Bottom; SB - Stone Box (may enter multiple values)

** Shape of Pipes: Round, Oval (for diameter enter horizontal dimension), Box (for diameter enter horizontal dimension), Arch (for diameter, enter horizontal dimension)

Permits & Cultural Resources Unit

PIN #: 11168.00

Location: Bar Harbor

Permit Member: Laurie Rowe

Photographs ☐

Database/Projex ☒

Package to ENV Coordinator: 2/9/04

☒ **Section 106 and Tribal Consultation**

Architectural Resources

MOA ☒ Applicable ☐ Approved ☐

Archeological Resources

MOA ☒ Applicable ☐ Approved ☐

Tribal Consultation

N/A ☒ Applicable ☐ Approved ☐

☒ **4(f) and 6(f)**

Section 4(f)

N/A ☒ Applicable ☐ Approved ☐

LAWCON 6(f)

N/A ☒ Applicable ☐ Approved ☐

☒ **FEMA**

N/A ☒ Applicable ☐ Approved ☐

☒ **Maine Department of Environmental Protection (MDEP) Site Location of Development**

N/A ☒ Applicable ☐ Approved ☐

☒ **Local Zoning, Title 30-A, Section 4325-6.**

Is the project something other than the highway and bridge system, such as a maintenance lot, building/parking facility? Yes

☐ No ☒. If no, the project is exempt.

If yes, continue. Does the town in which the project is located have a comprehensive plan consistent with the Growth Management Program? Yes ☐ No ☐. If no, the project is exempt.

If yes, local zoning ordinances and/or permits are needed. Approved ☐

☒ **Maine Department of Inland Fisheries and Wildlife (MDIFW) Essential Habitat**

Eagle Nest N/A ☒ Applicable ☐ Approved ☐

Piping Plover N/A ☒ Applicable ☐ Approved ☐

Roseate Tern N/A ☒ Applicable ☐ Approved ☐

☒ **United States Fish and Wildlife Service (USFWS), Migratory Bird Act**

N/A ☒ Applicable ☐

☒ **Maine Department of Conservation/ Public Lands, Submerged Land Lease**

N/A ☒ Applicable ☐

☒ **Land Use Regulation Commission (LURC)** ☒ Not Applicable

No permit ☐

Notice ☐ Approved ☐

Permit ☐ Approved ☐

☒ **Maine Department of Environmental Protection (MDEP), Natural Resource Protection Act**

No permit required ☐

Exempt ☒ (Must use erosion and sediment control and not block fish passage.)

PBR ☐ Approved ☐

Tier 1 ☐ Approved ☐

Tier 2 ☐ Approved ☐

Tier 3 ☐ Approved ☐

☒ **Army Corps of Engineers (ACOE), Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act.**

No permit required ☒

Category 1-NR ☐ Approved ☐

Category 2 ☐ Approved ☐

Category 3 ☐ Approved ☐

☒ **IN-WATER TIMING RESTRICTIONS:** 105 Special Provision ☐ n/a ☒

Dates instream work is allowed: There is no instream work on this project

☒ **Special Provision 656, Erosion Control Plan**

Boxes marked in red indicate items that are attached and need to be placed in the contract by the Project Manager.

Permits & Cultural Resources Unit

PIN #: 11265.00

Location: Bar Harbor

Permit Member: Laurie Rowe

Photographs ☐

Database/Projex ☒

Package to ENV Coordinator: 2/9/04

☒ **Section 106 and Tribal Consultation**

Architectural Resources

MOA ☐

Applicable ☒

Approved ☒

Archeological Resources

MOA ☐

Applicable ☒

Approved ☒

Tribal Consultation

N/A ☒

Applicable ☐

Approved ☐

☒ **4(f) and 6(f)**

Section 4(f)

N/A ☒

Applicable ☐

Approved ☐

LAWCON 6(f)

N/A ☒

Applicable ☐

Approved ☐

☒ **FEMA**

N/A ☒

Applicable ☐

Approved ☐

☒ **Maine Department of Environmental Protection (MDEP) Site Location of Development**

N/A ☒

Applicable ☐

Approved ☐

☒ **Local Zoning, Title 30-A, Section 4325-6.**

Is the project something other than the highway and bridge system, such as a maintenance lot, building/parking facility? Yes

☐ No ☒. If no, the project is exempt.

If yes, continue. Does the town in which the project is located have a comprehensive plan consistent with the Growth Management Program? Yes ☐ No ☐. If no, the project is exempt.

If yes, local zoning ordinances and/or permits are needed.

Approved ☐

☒ **Maine Department of Inland Fisheries and Wildlife (MDIFW) Essential Habitat**

Eagle Nest

N/A ☒

Applicable ☐

Approved ☐

Piping Plover

N/A ☒

Applicable ☐

Approved ☐

Roseate Tern

N/A ☒

Applicable ☐

Approved ☐

☒ **United States Fish and Wildlife Service (USFWS), Migratory Bird Act**

N/A ☒

Applicable ☐

☒ **Maine Department of Conservation/ Public Lands, Submerged Land Lease**

N/A ☒

Applicable ☐

☒ **Land Use Regulation Commission (LURC)** ☒ Not Applicable

No permit

☐

Notice

☐

Approved ☐

Permit

☐

Approved ☐

☒ **Maine Department of Environmental Protection (MDEP), Natural Resource Protection Act**

No permit required ☐

Exempt ☐

(Must use erosion and sediment control and not block fish passage.)

PBR ☒

Approved ☒

Tier 1 ☐

Approved ☐

Tier 2 ☐

Approved ☐

Tier 3 ☐

Approved ☐

☒ **Army Corps of Engineers (ACOE), Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act.**

No permit required ☐

Category 1-NR ☒

Approved ☒

Category 2 ☐

Approved ☐

Category 3 ☐

Approved ☐

☒ **IN-WATER TIMING RESTRICTIONS:** 105 Special Provision ☐ n/a ☒

Dates instream work is allowed: There is No instream work on this project

☒ **Special Provision 656, Erosion Control Plan**

Boxes marked in red indicate items that are attached and need to be placed in the contract by the Project Manager.

DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP)
PERMIT BY RULE NOTIFICATION FORM
(For use with DEP Regulation, Chapter 305)

MDOT PIN: 11265.00

Name of Applicant: State of Maine Department of Transportation Name of Contact: David Gardner
Mailing Address: 16 Station State House Town/City: Augusta State: Me. Zip Code: 04330-0016
Daytime Telephone #: (207)-624-3105 Name of Wetland, Water Body or Stream: Unnamed

Detailed Directions to Site: Project is on Main St, Beginning at Park Street and extending easterly 1.73 miles.

Town/City: Bar Harbor

Map #: N/A

Lot #: N/A

County: Hancock

Description of Project: Highway overlay involving culvert, slope and ditch maintenance and repairs. The project will be performed in accordance with erosion control measures conforming with the latest versions of the *State of Maine Department of Transportation Standard Specifications for Highways and Bridges* and the *Department of Transportation's Best Management Practices for Erosion and Sediment Control*.

Part of a larger project? ☐ Yes ☒ No

(CHECK ONE) This project... ☒ does ☐ does not ...involve work below mean low water.

I am filing notice of my intent to carry out work which meets the requirements for Permit By Rule (PBR) under DEP Regulation, Chapter 305. I have a copy of PBR Sections checked below. I have read and will comply with all of the standards.

- | | | |
|---|---|---|
| <input type="checkbox"/> Sec. (2) Soil Disturbance | <input type="checkbox"/> Sec. (8) Shoreline stabilization | <input type="checkbox"/> Sec. (14) Piers, Wharves & Pilings |
| <input type="checkbox"/> Sec. (3) Intake Pipes | <input type="checkbox"/> Sec. (9) Utility Crossing | <input type="checkbox"/> Sec. (15) Public Boat Ramps |
| <input type="checkbox"/> Sec. (4) Replacement of Structures | <input type="checkbox"/> Sec. (10) Stream Crossing | <input type="checkbox"/> Sec. (16) Coastal Sand Dune Projects |
| <input type="checkbox"/> Sec. (5) REPEALED | <input checked="" type="checkbox"/> Sec. (11) State Transport. Facilities | <input type="checkbox"/> Sec. (17) Transfers/Permit Extension |
| <input type="checkbox"/> Sec. (6) Movement of Rocks or Vegetation | <input type="checkbox"/> Sec. (12) Restoration of Natural Areas | <input type="checkbox"/> Sec. (18) Maintenance Dredging |
| <input type="checkbox"/> Sec. (7) Outfall Pipes | <input type="checkbox"/> Sec. (13) F&W Creation/Enhance/Water Quality Improvement | |

I authorize staff of the Departments of Environmental Protection, Inland Fisheries & Wildlife, and Marine Resources to access the project site for the purpose of determining compliance with the rules. I also understand that **this permit is not valid until approved by the Department or 14 days after receipt by the Department, whichever is less.**

I have attached all of the following required submittals. **NOTIFICATION FORMS CANNOT BE ACCEPTED WITHOUT THE NECESSARY ATTACHMENTS:**

- ☒ A \$50 (non-refundable) payment shall be done by internal billing.
- ☒ Attach a U.S.G.S. topo map or Maine Atlas & Gazetteer map with the project site clearly marked.
- ☐ Attach photographs showing existing site conditions (unless not required under standards).

Signature of Applicant: _____

John E. Dority, Chief Engineer

Date: _____

07/28/03

Keep the bottom copy as a record of permit. Send the form with attachments via certified mail to the Maine Dept. of Environmental Protection **at the appropriate regional office listed below.** The DEP will send a copy to the Town Office as evidence of the DEP's receipt of notification. No further authorization by DEP will be issued after receipt of notice. Permits are valid for two years. **Work carried out in violation of any standard is subject to enforcement action.**

AUGUSTA DEP STATE HOUSE STATION 17 AUGUSTA, ME 04333-0017 (207)287-2111 PORTLAND DEP 312
CANCO ROAD PORTLAND, ME 04103 (207)822-6300 BANGOR DEP 106 HOGAN ROAD BANGOR, ME
04401 (207)941-4570 PRESQUE ISLE DEP 1235 CENTRAL DRIVE PRESQUE ISLE, ME 04769 (207)764-0477

OFFICE USE ONLY
PBR # FP

Ck.#

Date

Staff

Acc. Date

Staff
Def. Date

After Photos

Chapter 305: PERMIT BY RULE Section 11
State Transportation Facilities

- 1. Introduction.** A "permit by rule" or "PBR", when approved by the Department of Environmental Protection (DEP), is an approval for an activity that requires a permit under the Natural Resources Protection Act (NRPA). Only those activities described in this chapter may proceed under the PBR process. A PBR activity will not significantly affect the environment if carried out in accordance with this chapter, and generally has less of an impact on the environment than an activity requiring an individual permit. A PBR satisfies the Natural Resources Protection Act (NRPA) permit requirement and Water Quality Certification requirement.

If a proposed activity is not described in this chapter, or will not be conducted in accordance with the standards of this chapter, the applicant must obtain an individual permit prior to beginning the activity.

- A. Location of activity.** The location of an activity may affect whether an activity qualifies for PBR, and whether review by the Department of Inland Fisheries and Wildlife is required.

- (1) Type of resource. For some types of activities, the availability of a PBR is affected by the type of natural resource in or adjacent to which the activity is proposed. For example, an applicant proposing an activity consisting of "Movement of rocks or vegetation" may receive a PBR only if the activity will take place in a great pond, river, stream or brook. Limitations concerning the location of activities are addressed in the "Applicability" provision in each section of this chapter.
- (2) Essential habitat. Essential habitats include areas critical to the survival of threatened and endangered species such as the bald eagle, least tern, roseate tern, and piping plover. If the activity is located in essential habitat, such as near an eagle nesting site, a PBR is only available if the applicant obtains written approval from the Department of Inland Fisheries and Wildlife (IF&W). This approval from IF&W must be submitted to the DEP with the PBR notification form, and the applicant must follow any conditions stated in the IF&W approval.

NOTE: Maps showing areas of essential habitat are available from the Department of Inland Fisheries and Wildlife regional headquarters, municipal offices, the Land Use Regulation Commission (for unorganized territories) and DEP regional offices. If the activity is located in essential habitat, IF&W must be contacted to request and obtain a "certification of review and approval".

- B. Notification.** The applicant must file notice of the activity with the DEP prior to beginning work on the activity. The notification must be on a form provided by the DEP and must include any submissions required in this chapter. The applicant must keep a copy to serve as the permit.

The notification form must be sent to the DEP by certified mail (return receipt requested), or hand delivered to the DEP and date stamped by the department.

C. Effective period

- (1) Beginning of period. The PBR becomes effective 14 calendar days after the DEP receives the notification form, unless the DEP approves or denies the PBR prior to that date. If the DEP does not speak with or write to the applicant within this 14 day period regarding the PBR notification, the applicant may proceed to carry out the activity.

There are three exceptions regarding the effective date of an approved PBR:

- (a) Activities listed in Section 10 (Stream crossings) occurring in association with forest management are exempt from the 14 day waiting period.
- (b) Activities listed in Section 2 (Soil disturbance) and Section 10 (Stream crossings) performed or supervised by individuals currently certified in erosion control practices by the DEP are exempt from the 14 day waiting period. To be certified in erosion control practices, an individual must successfully complete all course requirements of the Voluntary Contractor Certification Program administered by the DEP's Nonpoint Source Training and Resource Center.
- (c) Activities that are part of a larger project requiring a permit under the Site Location of Development or the Storm Water Management Acts may not proceed until any required permit under those laws is obtained.

NOTE: Activities that are part of a larger project may require other permits from the DEP also. These other laws may prohibit the start of construction of any part of the project unless a permit under that law is obtained. In these cases, while not a violation of this rule, starting work on a PBR approved activity would be a violation of those other applicable laws.

- (2) End of period. The PBR is generally effective for 2 years from the date of approval, except that a PBR for "Replacement of structures" under Section 4 is effective for 3 years.

NOTE: Activities that qualify under this chapter may need to meet other local, state and federal requirements. Examples -- (1) If an activity extends below the low water line of a lake, coastal wetland or international boundary water, the applicant should contact the Bureau of Parks and Lands (287-3061) concerning possible lease or easement requirements, or (2) If an activity will involve work below the mean high water line in navigable waters of the United States, the applicant should contact the Army Corps of Engineers (623-8367).

D. Discretionary authority. Notwithstanding compliance with the PBR applicability requirements and standards set forth in this chapter, the DEP may require an individual permit application to be filed in any case where credible evidence indicates that the activity:

- (1) May violate the standards of the NRPA (38 M.R.S.A. Section 480-D);
- (2) Could lead to significant environmental impacts, including cumulative impacts; or
- (3) Could adversely impact a resource of special concern.

If an individual permit is required pursuant to this subsection, the DEP shall notify the applicant in writing within the 14 calendar day waiting period described in sub-section (C) above. When the DEP notifies an applicant that an individual permit is required, no work may be conducted unless and until the individual permit is obtained.

E. Violations. A violation of law occurs when a person, or his or her agent, performs or causes to be performed any activity subject to the NRPA without first obtaining a permit from the DEP, or acts contrary to the provisions of a permit. The person, his or her agent, or both, may be held

responsible for the violation. Commonly, the "person" is the landowner, and the "agent" is the contractor carrying out the activity. A violation occurs when:

- (1) An activity occurs that is not allowed under PBR, whether or not a PBR notification form has been filed with and/or approved by the DEP;
- (2) An activity occurs that is allowed under PBR, but a PBR for the activity has not become effective prior to the beginning of the activity; or
- (3) An activity occurs that is allowed under PBR and a PBR for the activity is in effect, but the standards specified in this chapter are not met.

See the "applicability" provision under each activity for rules concerning what activities are allowed under PBR. A PBR is only valid for the person listed on the notification form, or for his or her agent.

Each day that a violation occurs or continues is considered a separate offense. Violations are subject to criminal penalties and civil penalties of not less than \$100 nor more than \$10,000 for each day of that violation (38 M.R.S.A. Section 349).

NOTE: A local Code Enforcement Officer (CEO) may take enforcement action for a violation of the Natural Resources Protection Act if he or she is authorized to represent a municipality in District Court, and he or she has been certified as familiar with court procedures, 30-A M.R.S.A. Section 4452(7).

Chapter 305 Section 11**State transportation facilities****A. Applicability**

- (1) This section applies to the maintenance, repair, reconstruction, rehabilitation, replacement or minor construction of a State Transportation Facility carried out by, or under the authority of, the Maine Department of Transportation or the Maine Turnpike Authority, including any testing or preconstruction engineering, and associated technical support services.
- (2) This section does not apply to an activity within a coastal sand dune system.

NOTE: The construction of a transportation facility other than roads and associated facilities may be subject to the Storm Water Management Law, 38 M.R.S.A. Section 420-D.

B. Standards

- (1) Photographs of the area to be altered by the activity must be taken before work on the site begins. The photographs must be kept on file and be made available at the request of the DEP.
- (2) The activity must be reviewed by the Department of Inland Fisheries and Wildlife, the Department of Marine Resources, the Atlantic Salmon Authority, and the DEP's Division of Environmental Assessment prior to the notification being filed with the DEP. The activity must be performed according to any recommendations from these authorities.
- (3) The activity must be performed in accordance with erosion control measures conforming with the State of Maine Department of Transportation Standard Specifications for Highways and Bridges Revision of April 1995 and with the Department of Transportation's Best Management Practices for Erosion and Sediment Control, September 1997.

NOTE: Guidance on the use of erosion control best management practices can be obtained from the on site Construction Manager.

- (4) Alignment changes may not exceed a distance of 200 feet between the old and new center lines in any natural resource.
- (5) The activity may not alter more than 300 feet of shoreline (both shores added together) within a mile stretch of any river, stream or brook, including any bridge width or length of culvert.
- (6) The activity may not alter more than 150 feet of shoreline (both shores added together) within a mile stretch of any outstanding river segment identified in 38 M.R.S.A. 480-P, including any bridge width or length of culvert.
- (7) The activity must minimize wetland intrusion. The activity is exempt from the provisions of Chapter 310, the Wetland Protection Rules, if the activity alters less than 15,000 square feet of natural resources per mile of roadway (centerline measurement) provided that the following impacts are not exceeded within the 15,000 square foot area:

- (a) 1,000 square feet of coastal wetland consisting of salt tolerant vegetation or shellfish habitat; or
- (b) 5,000 square feet of coastal wetland not containing salt tolerant vegetation or shellfish habitat; or
- (c) 1,000 square feet of a great pond.

All other activities must be performed in compliance with all sections of Chapter 310, the Wetland Protection Rules, except 310.2(C), 5(A), 9(1), 9(B) and 9(C).

- (8) The activity may not permanently block any fish passage in any watercourse containing fish. The applicant must improve passage beyond what restriction may already exist unless the Department of Inland Fisheries and Wildlife, the Department of Marine Resources, the Atlantic Salmon Authority and the DEP's Division of Environmental Assessment concur that the improvement is not necessary.
- (9) Rocks may not be removed from below the normal high water line of any coastal wetland, freshwater wetland, great pond, river, stream or brook except to the minimum extent necessary for completion of work within the limits of construction.
- (10) If work is performed in a river, stream or brook that is less than three feet deep at the time and location of the activity, with the exception of culvert installation, the applicant must divert flow away from the activity while work is in progress.
 - (a) Diversion may be accomplished by the use of stable, inert material. No more than two thirds (2/3) of stream width may be diverted at one time.
 - (b) Any material used to divert water flow must be completely removed upon completion of the activity, and the stream bottom must be restored to its original condition.
 - (c) A pump may be operated, where necessary, for a temporary diversion. The pump outlet must be located and operated such that erosion or the discharge of sediment to the water is prevented.

NOTE: Guidance on the appropriate location of a diversion and materials which should be used for a stream diversion can be obtained from the on site Construction Manager.

- (11) Wheeled or tracked equipment may not operate in the water. Equipment operating on the shore may reach into the water with a bucket or similar extension. Equipment may cross streams on rock, gravel or ledge bottom.
- (12) All wheeled or tracked equipment that must travel or work in a vegetated wetland area must travel and work on mats or platforms.
- (13) Any debris or excavated material must be stockpiled either outside the wetland or on mats or platforms. Hay bales or silt fence must be used, where necessary, to prevent sedimentation. Any debris generated during the activity must be prevented from washing downstream and must be removed from the wetland or water body. Disposal of debris must be in conformance with the Maine Hazardous Waste, Septage and Solid Waste Management Act, 38 M.R.S.A. Section 1301 et seq.

- (14) Work below the normal high water line of a great pond, river, stream or brook must be done at low water except for emergency work or work agreed to by the resource agencies listed in paragraph 2 above. Measures, such as a silt boom or staked fencing, must be employed to reduce and isolate turbidity.
- (15) Perimeter controls must be installed before the work starts. Disturbance of natural resources beyond the construction limits shown on the plans is not allowed under this rule.

NOTE: Guidance on the location of construction limits can be obtained from the on site Construction Manager.

- (16) The use of untreated lumber is preferred. Lumber pressure treated with chromated copper arsenate (CCA) may be used, provided it is cured on dry land in a manner that exposes all surfaces to the air for a period of at least 21 days prior to construction. Wood treated with creosote or pentachlorophenol may not be used where it will contact water.
- (17) A temporary road for equipment access must be constructed of crushed stone, blasted ledge, or similar materials that will not cause sedimentation or restrict fish passage. Such roads must be completely removed at the completion of the activity. In addition, any such temporary roads which are in rivers, streams or brooks, must allow for a passage of stormwater flows associated with a 10-year storm.
- (18) Soil may not be disturbed during any period when soils are saturated due to rain or snow melt, except as necessary to protect work in progress or as required for bridge maintenance activities. Areas where soils are saturated (i.e. water drips from the soil when squeezed by hand, or the soil is capable of being rolled into a rod 1/8th inch in diameter that does not crumble) must be immediately mulched if they are disturbed.
- (19) Disturbed soil must be protected within one week from the time it was last actively worked, and prior to any storm event, using temporary or permanent measures such as the placement of riprap, sod, mulch, erosion control blankets, or other comparable measures.
- (20) Hay bale or straw mulch, where used, must be applied at a rate of at least one bale per 500 square feet (1 to 2 tons per acre).
- (21) If mulch is likely to be moved because of steep slopes or wind exposure, it must be anchored with netting, peg and twine, binder or other suitable method and must be maintained until a catch of vegetation is established over the entire disturbed area.
- (22) In addition to the placement of riprap, sod, erosion control blankets or mulch, additional steps must be taken where necessary to prevent sedimentation of the water. Evidence of sedimentation includes visible sheet, rill or gully erosion, discoloration of water by suspended particles and/or slumping of banks. Silt fences, staked hay bales and other sedimentation control measures, where planned for, must be in place prior to the commencement of an activity, but must also be installed whenever necessary to prevent erosion and sedimentation.

NOTE: Guidance on the location and proper installation of erosion control measures can be obtained from the on site Construction Manager.

- (23) Temporary erosion control measures must be maintained and inspected weekly until the site is permanently stabilized with vegetation or other permanent control measures. Erosion control measures must also be inspected immediately prior to and following storms.
- (24) Permanent erosion control measures protecting all disturbed areas must be implemented within 30 days from the time the areas were last actively worked, or for fall and winter activities by the following June 15, except where precluded by the type of activity (e.g. riprap, road surfaces, etc.). The permanent erosion control measures must be maintained.
- (25) The applicant shall immediately take appropriate measures to prevent erosion or sedimentation from occurring or to correct any existing problems, regardless of the time of year.
- (26) Non-native species may not be planted in restored areas.
- (27) Disposal of debris must be in conformance with Maine Hazardous Waste, Septage and Solid Waste Management Act, 38 M.R.S.A. Sections 1301 et seq.
- (28) Disturbance of vegetation must be avoided, if possible. Where vegetation is disturbed outside of the area covered by any road or structure construction, it must be reestablished immediately upon completion of the activity and must be maintained.
- (29) A vegetated area at least 25 feet wide must be established and maintained between any new stormwater outfall structure and the high water line of any open water body. A velocity reducing structure must be constructed at the outlet of the stormwater outfall that will create sheet flow of stormwater, and prevent erosion of soil within the vegetated buffer. If the 25 foot vegetated buffer is not practicable, the applicant must explain the reason for a lesser setback in writing. Approval from the DEP must be in writing and any recommendations must be incorporated into the activity.

C. Definitions. The following terms, as used in this chapter, have the following meanings, unless the context indicates otherwise:

- (1) Diversion. A rerouting of a river, stream or brook to a location outside of its established channel.
- (2) Fill. a. (verb) To put into or upon, supply to, or allow to enter a water body or wetland any earth, rock, gravel, sand, silt, clay, peat, or debris; b. (noun) Material, other than structures, placed in or immediately adjacent to a wetland or water body.
- (3) Floodplain wetlands. Freshwater wetlands that are inundated with flood water during a 100-year flood event based on flood insurance maps produced by the Federal Emergency Agency or other site specific information.
- (4) Riprap. Rocks that are fit into place, usually without mortar, on a slope as defined in the State of Maine, Department of Transportation, Standard Specifications for Highway and Bridges, revision of April 1995.

Permit No: GP-39

Effective Date: Sept. 29, 2000
Expiration Date: Sept. 29, 2005

Applicant: General Public, State of Maine

**DEPARTMENT OF THE ARMY
PROGRAMMATIC GENERAL PERMIT
STATE OF MAINE**

The New England District of the U.S. Army Corps of Engineers hereby issues a programmatic general permit (PGP) that expedites review of minimal impact work in coastal and inland waters and wetlands within the State of Maine. Activities with minimal impacts, as specified by the terms and conditions of this general permit and on the attached DEFINITION OF CATEGORIES sheets, are either non-reporting (provided required local and state permits are received), or are reporting, to be screened by the Corps and Federal Resource Agencies for applicability under the general permit. This general permit does not affect the Corps individual permit review process or activities exempt from Corps jurisdiction.

Activities Covered: work and structures that are located in, or that affect, navigable waters of the United States (regulated by the Corps under Section 10 of the Rivers and Harbors Act of 1899) and the discharge of dredged or fill material into waters of the United States (regulated by the Corps under Section 404 of the Clean Water Act), and the transportation of dredged material for the purpose of disposal in the ocean (regulated by the Corps under Section 103 of the Marine Protection, Research and Sanctuaries Act).

PROCEDURES:

A. State Approvals

For projects authorized pursuant to this general permit that are also regulated by the State of Maine, the following state approvals are also required and must be obtained in order for this general permit authorization to be valid (applicants are responsible for ensuring that all required state permits and approval have been obtained):

- (a) Maine Department of Environmental Protection (DEP): Natural Resources Protection Act permit, including permit-by-rule and general permit authorizations; Site Location and Development Act permit; and Maine Waterway Development and Conservation Act.
- (b) Maine Department of Conservation: Land Use Regulation Commission (LURC) permit.
- (c) Maine Department of Marine Resources: Lease.
- (d) Bureau of Public Lands, Submerged Lands: Lease.

Note that projects not regulated by the State of Maine (e.g., seasonal floats or moorings) may still be authorized by this general permit.

B. Corps Authorizations: Category I (Non-Reporting)

Work in Maine subject to Corps jurisdiction that meets the definition of Category I on the attached DEFINITION OF CATEGORIES sheets and that meets all of this permit's other conditions, does not require separate application to the Corps of Engineers. If the State or the Corps does not contact the applicant for PBRs and Tier One permits during the State's Tier One 30-day review period, Corps approval may be assumed and the project may proceed. Refer to the Procedures Section at Paragraph E below for additional information regarding screening.

Note that the review thresholds under Category I apply to single and complete projects i only (see special condition 5). **Also note that Category I does not apply to projects occurring in a component of, or within 0.25 miles up and downstream of the main stem or tributaries of a river segment of the National Wild and Scenic River System** (see condition 11, and page 9 for the listed rivers in Maine).

There are also restrictions on other national lands or concerns, which must be met in order for projects to be eligible for authorization under this PGP. Refer to special conditions 6-13 under Paragraph F below.

Work that is not regulated by the State of Maine, but that is subject to Corps jurisdiction, is eligible for Corps authorization under this PGP in accordance with the review thresholds and conditions contained herein.

Although Category I projects are non-reporting, the Corps reserves the right to require screening or an individual permit review if there are concerns for the aquatic environment or any other factor of the public interest (see special condition 4 on Discretionary Authority). The Corps review or State/Federal screening process may also result in project modification, mitigation or other special conditions necessary to minimize impacts and protect the aquatic environment as a requirement for PGP approval.

C. Corps Authorization: Category II (Reporting - requiring screening) **APPLICATION PROCEDURES**

For projects that do not meet the terms of Category I (see DEFINITION OF CATEGORIES sheets), the Corps, State, and Federal Resource Agencies will conduct joint screening meetings to review applications. If projects are concurrently regulated by the DEP or LURC, applicants do not need to submit separate applications to the Corps. For projects not regulated by DEP or LURC, applicants must submit an application to the Corps Maine Project Office for a case-by-case determination of eligibility under this general permit (Category II). **Category II projects may not proceed until written notification is received from the Corps.**

Category II projects which occur in a component of, or within 0.25 mile up or downstream of the main stem or tributaries of a river segment of the National Wild and Scenic River System, will be coordinated with the National Park Service (see special condition 11, and page 9 for listed rivers in Maine).

There are also restrictions on other national lands or concerns, which must be met in order for projects to be eligible for authorization under this PGP. Refer to special conditions 6-14 under Paragraph E below.

Category II applicants shall submit a copy of their application materials to the Maine Historic Preservation Commission and/or applicable Indian tribe(s) at the same time, or before, they apply to the DEP, LURC, or the Corps so that the project can be reviewed for the presence of historic/archaeological resources in the project area that may be affected by the proposed work. **Applications to the DEP or the Corps should include information to indicate that this has been done (applicant's statement or copy of cover letter to Maine Historic Preservation Commission and/or Indian tribe(s)).**

The Corps may require additional information on a case-by-case basis as follows:

- (a) purpose of project;
- (b) 8 1/2" by 11" plan views of the entire property including property lines and project limits with existing and proposed conditions (**legible, reproducible plans required**);
- (c) wetland delineation for the site, information on the basis of the delineation, and calculations of waterway and wetland impact areas (see special condition 2);
- (d) typical cross-section views of all wetland and waterway fill areas and wetland replication areas;
- (e) delineation of submerged aquatic vegetation, e.g., eel grass beds, in tidal waters;
- (f) area, type and source of fill material to be discharged into waters and wetlands, including the volume of fill below ordinary high water in inland waters and below the high tide line in coastal waters;
- (g) mean low, mean high water and high tide elevations in navigable waters;
- (h) limits of any Federal navigation project in the vicinity and State Plane coordinates for the limits of the proposed work closest to the Federal project;
- (i) on-site alternatives analysis (contact Corps for guidance);
- (j) identify and describe potential impacts to Essential Fish Habitat (contact Corps for guidance);
- (k) for dredging projects, include:
 - 1) the volume of material and area in square feet to be dredged below mean high water,
 - 2) existing and proposed water depths,
 - 3) type of dredging equipment to be used,
 - 4) nature of material (e.g., silty sand),

- 5) any existing sediment grain size and bulk sediment chemistry data for the proposed or any nearby projects,
- 6) information on the location and nature of municipal or industrial discharges and occurrences of any contaminant spills in or near the project area,
- 7) location of the disposal site (include locus sheet),
- 8) shellfish survey, and
- 9) sediment testing, including physical, chemical and biological testing. For projects proposing open water disposal, applicants are encouraged to contact the Corps as early as possible regarding sampling and testing protocols.

The Corps may request additional information. Dredging applicants may be required to conduct a shellfish and/or eel grass survey and sediment testing, including physical, chemical and biological testing. Sediment sampling and testing plans should be prepared or approved by the Corps before the samples are collected.

STATE-FEDERAL SCREENING PROCEDURES:

The Corps intends to utilize the application information required by the State for its regulatory program to the maximum extent practicable and the Corps normally will not be interacting with an applicant who is concurrently making application to the DEP or LURC. Projects not regulated by the State, but needing Corps of Engineers approval, **must apply directly to the Corps**. The joint screening meeting for Category II projects will occur regularly at the Corps or State of fices and will involve representatives from the DEP, the Corps, the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, and the National Marine Fisheries Service.

The Corps and Federal Resource Agencies will classify the project within the State's review period, not to exceed 60 days, as: 1) approvable under the PGP as proposed; 2) needs additional information, including possible project modification, mitigation or other special conditions to minimize impacts; or 3) exceeds the terms or conditions of the PGP, including the minimal effects requirement, and an individual permit review will be required. In addition, the Corps retains the ability to exercise its discretionary authority and require an individual permit, irrespective of whether the terms and conditions of this general permit are met, based on concerns for the aquatic environment or any factor of the public interest (see special condition 4 on Discretionary Authority). All Category II projects must receive written approval from the Corps before work can proceed. If the project is not approvable as proposed, the DEP, LURC, or the Corps will contact the applicant to discuss the concerns raised. If the applicant is unable to resolve the concerns, the Corps, independently or at the request of the Federal Resource Agencies, will require an individual permit for the project. The applicant will be notified of this in writing, along with information about submitting the necessary application materials. The comments from the Federal Resource Agencies to the Corps may be verbal initially, and must be made within 10 working days of the screening meeting. These comments must be confirmed in writing within 10 calendar days of the verbal response if the Resource Agency(ies) will request an individual permit. The Federal Resource Agency's comments must reflect a concern within their area of expertise, state the species or resources that could be impacted by the project, and describe the impacts that either individually or cumulatively will be more than minimal.

MINERALS MANAGEMENT SERVICE (MMS) REVIEW

For Category II projects which involve construction of solid fill structures or discharge of fills along the coast which may extend the coastline or baseline from which the territorial sea is measured, coordination between the Corps and Minerals Management Service (MMS), Continental Shelf (OCS) Survey Group, will be needed (pursuant to the Submerged Lands Act, 43 U.S.C., Section 1301-1315, 33 CFR 320.4(f)). During the screening period, the Corps will forward project information to MMS for their review. MMS will coordinate their determination with the Department of the Interior (DOI) Solicitor's Office. The DOI will have 15 calendar days from the date MMS is in receipt of project information to determine if the baseline will be affected. No notification to the Corps within 15 day review period will constitute a "no affect" determination. Otherwise, the solicitor's notification to the Corps may be verbal but must be followed with a written confirmation within 10 business days from the date of the verbal notification. This procedure will be eliminated if the State of Maine provides a written waiver of interest in any increase in submerged lands caused by a change in the baseline resulting from solid fill structure or fills authorized under this general permit.

D. Corps Authorization: Category III (Individual Permit)

Work that is in the INDIVIDUAL PERMIT category on the attached DEFINITION OF CATEGORIES sheets, or that does not meet the terms and conditions of this general permit, will require an application for an individual permit from the Corps of Engineers (see 33 CFR Part 325.1). The screening procedures outlined above will only serve to delay project review in such cases. The applicant should submit the appropriate application materials (including the Corps application form) at the earliest possible date. General information and application forms can be obtained at (207) 623-8367 (Maine Field Office), (800) 343-4789, or (800) 362-4367 in Massachusetts. Individual water quality certification and coastal zone management consistency concurrence will be required from the State of Maine before Corps permit issuance.

E. Programmatic General Permit Conditions:

The following conditions apply to activities authorized under the PGP, including all Category I (non-reporting) and Category II (reporting - requiring screening) activities:

GENERAL REQUIREMENTS:

1. **Other Permits.** Authorization under this general permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.
2. **Applicability of this general permit shall be evaluated with reference to Federal jurisdictional boundaries.** Applicants are responsible for ensuring that the boundaries used satisfy the federal criteria defined at 33 CFR 328-329.
3. **Minimal Effects.** Projects authorized by this general permit shall have minimal individual and cumulative adverse environmental impacts as determined by the Corps.

4. **Discretionary Authority.** Notwithstanding compliance with the terms and conditions of this permit, the Corps of Engineers retains discretionary authority to require review for an individual permit based on concerns for the aquatic environment or for any other factor of the public interest. This authority is invoked on a case-by-case basis whenever the Corps determines that the potential consequences of the proposal warrant individual review based on the concerns stated above. This authority may be invoked for projects with cumulative environmental impacts that are more than minimal or if there is a special resource or concern associated with a particular project that is not already covered by the remaining conditions of the PGP and that warrants greater review.

Whenever the Corps notifies an applicant that an individual permit may be required, authorization under this general permit is void and no work may be conducted until the individual Corps permit is obtained or until the Corps notifies the applicant that further review has demonstrated that the work may proceed under this general permit.

5. **Single and Complete Projects.** This general permit shall not be used for piecemeal work and shall be applied to single and complete projects. All components of a single project and/or all planned phases of multi-phased projects shall be treated together as constituting one single and complete project (e.g., subdivisions should include all work such as roads, utilities, and lot development). This general permit shall not be used for any activity that is part of an overall project for which an individual permit is required.

NATIONAL CONCERNS:

6. **St. John/St. Croix Rivers.** This covers work within the Saint John and Saint Croix River basins that requires approval of the International Joint Commission. This includes any temporary or permanent use, obstruction or diversion of international boundary waters which could affect the natural flow or levels of waters on the Canadian side of the line, as well as any construction or maintenance of remedial works, protective works, dams, or other obstructions in waters downstream from boundary waters when the activity could raise the natural level of water on the Canadian side of the boundary.
7. **Historic Properties.** Any activity authorized by this general permit shall comply with Section 106 of the National Historic Preservation Act. Information on the location and existence of historic resources can be obtained from the Maine Historic Preservation Commission and the National Register of Historic Places. Federally recognized tribes (Penobscots, Passamaquoddys, Micmacs, and Maliseets) may know of the existence of other sites that may be of significance to their tribes. See page 14 for historic properties contacts.

Applicants with projects which will undergo the screening process (Category II) shall submit a copy of their application materials, with the name and address of the applicant clearly indicated, to the Maine Historic Preservation Commission, 55 Capitol Street, State House Station 65, Augusta, Maine 04333, and to the applicable tribe(s) to be reviewed for the presence of historic and/or archaeological resources in the permit area that may be affected by the proposed work. The Corps will then be notified by the Commission and/or

Tribe within 10 days if there are State and/or tribal concerns that the proposed work will have an effect on historic resources. The applicant should include with their application to the State or the Corps either a copy of their cover letter or a statement of having sent their application material to the Commission and Tribe(s).

If the permittee, either prior to construction or during construction of the work authorized herein, encounters a previously unidentified archaeological or other cultural resource, within the area subject to Department of the Army jurisdiction, that might be eligible for listing in the National Register of Historic Places, he/she shall stop work and immediately notify the District Engineer and the Maine Historic Preservation Commission and/or applicable Tribe(s).

8. **National Lands.** Activities authorized by this general permit shall not impinge upon the value of any National Wildlife Refuge, National Forest, or any area administered by the National Park Service.

9. **Endangered Species.** No activity is authorized under this general permit which

- may affect a threatened or endangered species or a species proposed for such designation as identified under the Federal Endangered Species Act (ESA),
- is likely to destroy or adversely modify the critical habitat or proposed critical habitat of such species,
- would result in a 'take' of any threatened or endangered species of fish or wildlife, or
- would result in any other violation of Section 9 of the ESA protecting threatened or endangered species of plants.

Applicants shall notify the Corps if any listed species or critical habitat, or proposed species or critical habitat, is in the vicinity of the project and shall not begin work until notified by the District Engineer that the requirements of the Endangered Species Act have been satisfied and that the activity is authorized. Information on the location of threatened and endangered species and their critical habitat can be obtained from the U.S. Fish and Wildlife Service and National Marine Fisheries Service (addresses attached, page 14).

10. **Essential Fish Habitat.** As part of the PGP screening process, the Corps will coordinate with the National Marine Fisheries Service (NMFS) in accordance with the 1996 amendments to the Magnuson-Stevens Fishery and Conservation Management Act to protect and conserve the habitat of marine, estuarine and anadromous finfish, mollusks, and crustaceans. This habitat is termed "essential fish habitat (EFH)", and is broadly defined to include "those waters and substrate necessary to fish for spawning, breeding, feeding, or growth to maturity." Applicants may be required to describe and identify potential impacts to EFH based upon the location of the project, the activity proposed, and the species present. Conservation recommendations made by NMFS will normally be included as a permit requirement by the Corps. Information on the location of EFH can be obtained from the NMFS regulations (50 CFR Part 600) (address listed on page 14) and on their web site (<http://www.nero.nmfs.gov/ro/doc/webintro.html>).

The EFH designation for Atlantic salmon includes all aquatic habitats in the watershed of the following rivers and streams, including all tributaries to the extent that they are currently or were historically accessible for salmon migration:

St. Croix River	Pleasant River	Union River
Boyden River	Narraguagus River	Ducktrap River
Dennys River	Tunk Stream	Sheepscot River
Hobart Stream	Patten Stream	Kennebec River
Aroostook River	Orland River	Androscoggin River
East Machias River	Penobscot River	Presumpscot River
Machias River	Passagassawaukeag River	Saco River

11. **Wild and Scenic Rivers.** Any activity that occurs in a component of, or within 0.25 mile up or downstream of the main stem or tributaries of a river segment of the National Wild and Scenic River System, **must be reviewed by the Corps under the procedures of Category II of this general permit regardless of size of impact.** This condition applies to both designated wild and scenic rivers and rivers designated by Congress as study rivers for possible inclusion while such rivers are in an official study status. The Corps will consult with the National Park Service (NPS) with regard to potential impacts of the proposed work on the resource values of the Wild and Scenic River. The culmination of this coordination will be a determination by the NPS and the Corps that the work: (1) may proceed as proposed; (2) may proceed with recommended conditions; or (3) could pose a direct and adverse effect on the resource values of the river and an individual permit is required. If pre-application consultation between the applicant and the NPS has occurred whereby the NPS has made a determination that the proposed project is appropriate for authorization under this PGP (with respect to wild and scenic river issues), this determination should be furnished to the Corps with submission of the application. The address of the NPS can be found on Page 14 of this permit. *National Wild/Scenic Rivers System (Designated River in Maine) as of 5/2/00:* Allagash River beginning at Telos Dam continuing to Allagash checkpoint at Eliza Hole Rapids, approximately 3 miles upstream of the confluence with the St. John River. Length = 92 miles

12. **Federal Navigation Project.** Any structure or work that extends closer to the horizontal limits of any Corps navigation project than a distance of three times the project's authorized depth (see attached map following page 16 for locations of these projects) shall be subject to removal at the owner's expense prior to any future Corps dredging or the performance of periodic hydrographic surveys.

13. **Navigation.** There shall be no unreasonable interference with navigation by the existence or use of the activity authorized herein and no attempt shall be made by the permittee to prevent the full and free use by the public of all navigable waters at or adjacent to the activity authorized herein.

The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his authorized representative, said structure

or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

14. **Federal Liability.** In issuing this permit, the Federal Government does not assume any liability for the following: (a) damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes; (b) damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest; (c) damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit; (d) design or construction deficiencies associated with the permitted work; (e) damage claims associated with any future modification, suspension, or revocation of this permit.

MINIMIZATION OF ENVIRONMENTAL IMPACTS:

15. **Minimization.** Discharges of dredged or fill material into waters of the United States shall be avoided and minimized to the maximum extent practicable, regardless of review category.
16. **Work in Wetlands.** Heavy equipment working in wetlands shall be avoided if possible, **and if required, shall be placed on mats or other measures taken** to minimize soil and vegetation disturbance. Disturbed areas in wetlands shall be restored to preconstruction contours and conditions upon completion of the work.
17. **Temporary Fill.** Temporary fill in waters and wetlands authorized by this general permit (e.g., access roads, cofferdams) shall be properly stabilized during use to prevent erosion. Temporary fill in wetlands shall be placed on geotextile fabric laid on existing wetland grade. Temporary fills shall be disposed of at an upland site, suitably contained to prevent erosion and transport to a waterway or wetland. Temporary fill areas shall be restored to their approximate original contours but not higher. No temporary fill shall be placed in waters or wetlands unless specifically authorized by the Corps.
18. **Sedimentation and Erosion Control.** Adequate sedimentation and erosion control management measures, practices and devices, such as phased construction, vegetated filter strips, geotextile silt fences or other devices, shall be installed and properly maintained to reduce erosion and retain sediment on-site during and after construction. They shall be capable of preventing erosion, of collecting sediment, suspended and floating materials, and of filtering fine sediment. These devices shall be removed upon completion of work and the disturbed areas shall be stabilized. The sediment collected by these devices shall be removed and placed at an upland location in a manner that will prevent its later erosion into a waterway or wetland. All exposed soil and other fills shall be permanently stabilized at the earliest practicable date.

19. Waterway Crossings.

- (a) All temporary and permanent crossings of waterbodies shall be suitably culverted, bridged, or otherwise designed to withstand and to prevent the restriction of high flows, to maintain existing low flows, and to not obstruct the movement of aquatic life indigenous to the waterbody beyond the actual duration of construction.
- (b) Temporary bridges, culverts, or cofferdams shall be used for equipment access across streams (NOTE: areas of fill and/or cofferdams must be included in total waterway/wetlands impacts to determine applicability of this general permit).
- (c) For projects that otherwise meet the terms of Category I, instream construction work shall be conducted during the low flow period July 15 - October 1 in any year. Projects that are not to be conducted during that time period are ineligible for Category I and shall be screened pursuant to Category II, regardless of the waterway and wetland fill and/or impact area.

20. Discharge of Pollutants. All activities involving any discharge of pollutants into waters of the United States authorized under this general permit shall be consistent with applicable water quality standards, effluent limitations, standards of performance, prohibitions, and pretreatment standards and management practices established pursuant to the Clean Water Act (33 U.S.C. 1251) and applicable state and local laws. If applicable water quality standards, limitations, etc., are revised or modified during the term of this permit, the authorized work shall be modified to conform with these standards within six months of the effective date of such revision or modification, or within a longer period of time deemed reasonable by the District Engineer in consultation with the Regional Administrator of the Environmental Protection Agency. Applicants may presume that state water quality standards are met with issuance of the 401 Water Quality Certification.

21. Spawning Areas. Discharges into known 1) fish and shellfish spawning or nursery areas; and 2) amphibian and waterfowl breeding areas, during spawning or breeding seasons shall be avoided, and impacts to these areas shall be avoided or minimized to the maximum extent practicable during all times of year.

22. Storage of Seasonal Structures. Coastal structures such as pier sections and floats that are removed from the waterway for a portion of the year shall be stored in an upland location located above mean high water and not in tidal marsh.

23. Environmental Values. The permittee shall make every reasonable effort to carry out the construction or operation of the work authorized herein in a manner so as to maintain as much as is practicable, and to minimize any adverse impacts on, existing fish and wildlife and natural environmental values.

24. Protection of Vernal Pools. Impacts to uplands in proximity (within 500 feet) to the vernal pools referenced in DEFINITIONS OF CATEGORIES shall be minimized to the maximum extent possible.

PROCEDURAL CONDITIONS:

25. **Cranberry Development Projects.** For Cranberry development projects authorized under the PGP, the following conditions apply:

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1. If a cranberry bog is abandoned for any reason, the area must be allowed to convert to natural wetlands unless an individual permit is obtained from the Corps of Engineers allowing the discharge of fill for an alternate use.
2. No stream diversion shall be allowed under this permit.
3. No impoundment of perennial streams shall be allowed under this permit.
4. The project shall be designed and constructed to not cause flood damage on adjacent properties.

26. **Inspections.** The permittee shall permit the District Engineer or his authorized representative(s) to make periodic inspections at any time deemed necessary in order to ensure that the work is being performed in accordance with the terms and conditions of this permit. The District Engineer may also require post-construction engineering drawings for completed work, and post-dredging survey drawings for any dredging work. **To facilitate these inspections, the attached work notification form should be filled out and returned to the Corps for all Category II projects.**

27. **Maintenance.** The permittee shall maintain the work or structures authorized herein in good condition, including maintenance, to ensure public safety. Dredging projects: note that this does not include maintenance of dredging projects. Maintenance dredging is subject to the review thresholds described on the attached DEFINITION OF CATEGORIES sheets and/or any conditions included in a written Corps authorization.

28. **Property Rights.** This permit does not convey any property rights, either in real estate or material, or any exclusive privileges, nor does it authorize any injury to property or invasion of rights or any infringement of federal, state, or local laws or regulations. **If property associated with work authorized by the PGP is sold, the PGP authorization is automatically transferred to the new property owner. The new property owner should provide this information to the Corps in writing. No acknowledgement from the Corps is necessary.**

29. **Modification, Suspension, and Revocation.** This permit may be either modified, suspended, or revoked, in whole or in part, pursuant to the policies and procedures of 33 CFR 325.7 and any such action shall not be the basis for any claim for damages against the United States.

30. **Restoration.** The permittee, upon receipt of a notice of revocation of authorization under this permit, shall restore the wetland or waterway to its former condition without expense to the United States and as directed by the Secretary of the Army or his authorized representative. If the permittee fails to comply with such a directive, the Secretary or his designee may restore the wetland or waterway to its former condition, by contract or otherwise, and recover the cost from the permittee.

31. **Special Conditions.** The Corps, independently or at the request of the Federal Resource Agencies, may impose other special conditions on a project authorized pursuant to this general permit that are determined necessary to minimize adverse environmental effects or based on any other factor of the public interest. Failure to comply with all conditions of the authorization, including special conditions, will constitute a permit violation and may subject the permittee to criminal, civil, or administrative penalties or restoration.
32. **False or Incomplete Information.** If the Corps makes a determination regarding the eligibility of a project under this permit and subsequently discovers that it has relied on false, incomplete, or inaccurate information provided by the permittee, the permit shall not be valid and the government may institute appropriate legal proceedings.
33. **Abandonment.** If the permittee decides to abandon the activity authorized under this general permit, unless such abandonment is merely the transfer of property to a third party, he/she must restore the area to the satisfaction of the District Engineer.
34. **Enforcement cases.** This general permit does not apply to any existing or proposed activity in Corps jurisdiction associated with an on-going Corps of Engineers or Environmental Protection Agency enforcement action until such time as the enforcement action is resolved or the Corps determines that the activity may proceed independently without compromising the enforcement action. The Corps may choose not to accept applications or issue permits to any applicant with outstanding violations.
35. **Emergency situations.** This PGP can be used to authorize the repair, rehabilitation, or replacement of those structures destroyed by storms, floods, fire or other discrete unexpected and catastrophic event. In such situations and if the work exceeds Category I limitations, if applicant applies to the Corps within 30 days of the event, the Corps will attempt to contact the resource agencies for their approvals but, if unable to contact them, will issue an emergency permit and review them after-the-fact with the agencies at the next joint processing meeting. Proposed work submitted more than 30 days after the emergency will go through the standard PGP procedures.

DURATION OF AUTHORIZATION/GRANDFATHERING:

36. **Duration of Authorization.** Activities authorized under this general permit that have commenced (i.e., are under construction) or are under contract to commence in reliance upon this authorization will remain authorized provided the activity is completed within twelve months of the date of the general permit's expiration, modification, or revocation, unless discretionary authority has been exercised on a case-by-case basis to modify, suspend, or revoke the authorization in accordance with 33 CFR 325.2 (e)(2). Activities completed under the authorization of the general permit that was in effect at the time the activity was completed will continue to be authorized by the general permit.

37. Previously Authorized Activities.

- (a) Activities which have commenced (i.e., are under construction or are under contract to commence) prior to the issuance date of this general permit, in reliance upon the terms and conditions of the non-reporting category of the previous Maine PGP shall remain authorized provided the activity is completed within twelve months of the date of issuance of this general permit, unless discretionary authority has been exercised on a case-by-case basis to modify, suspend, or revoke the authorization in accordance with special condition 4. The applicant must be able to document to the Corps satisfaction that the project was under construction or contract by the appropriate date.
- (b) Projects that have received written verification or approval from the Corps, based on applications made to the Corps prior to issuance of this general permit, for the previous Maine SPGP and PGP, Nationwide permits, regional general permits, or letters of permission shall remain authorized as specified in each authorization.
- (c) This general permit does not affect activities authorized pursuant to 33 CFR Part 330.3 (activities occurring before certain dates).

For DISTRICT ENGINEER Christine Gedfrey DATE 7 / 26 / 00

CONTACTS FOR MAINE PROGRAMMATIC GENERAL PERMIT:

U.S. Army Corps of Engineers
Maine Project Office
675 Western Avenue #3
Manchester, Maine 04351
207-623-8367
Fax # 207-623-8206

Federal Endangered Species
U.S. Fish and Wildlife Service
Maine Field Office
1033 South Main Street
Old Town, Maine 04468
207-827-5938
Fax # 207-827-6099

Wild and Scenic Rivers
National Park Service
North Atlantic Region
15 State Street
Boston, MA 02109
617-223-5203

Maine Historic Preservation Commission
55 Capitol Street
State House Station 65
Augusta, Maine 04333
207-287-2132
Fax # 207-287-2335
Aroostook Band of Micmacs
P.O. Box 772
Presque Isle, Maine 04769
207-764-1972
Fax # 207-764-7667

Passamaquoddy Tribe of Indians
Pleasant Point Reservation
Attn: Tribal Council
P.O. Box 343
Perry, Maine 04667
207-853-2600
Fax # 207-853-6039

*Federal Endangered Species and Essential
Fish Habitat*
National Marine Fisheries Service
One Blackburn Drive
Gloucester, Massachusetts 01939
978-281-9102
Fax # 978-281-9301

Houlton Band of Maliseet Indians
Attn: Brenda Commander, Tribal Chief
Route 3 - Box 450
Houlton, Maine 04730
207-532-4273
Fax # 207-532-2660
Passamaquoddy Tribe of Indians
Indian Township Reservation
Attn: Donald Soctomah
P.O. Box 301
Princeton, Maine 04668
207-796-2301
Fax # 207-796-5256

Penobscot Indian Nation
Richard Hamilton, Chief
6 River Road
Indian Island Reservation
Old Town, Maine 04468
(207) 827-7776
Fax # 207-827-1137

*Maine Department of Environmental Protection
(For State Permits and Water Quality
Certifications)*

Natural Resources Division
Bureau of Land and Water Quality Control
State House Station 17
Augusta, Maine 04333
207-287-2111

Southern Maine Regional Office
312 Canco Road
Portland, Maine 04103
201-822-6300

Eastern Maine Regional Office
106 Hogan Road
Bangor, Maine 04401
207-941-4570

Northern Maine Regional Office
1235 Central Drive
Skyway Park
Presque Isle, Maine 04769
207-764-0477

*MaineLand UseRegulation Commission (LURC)
offices*

22 State House Station
Augusta, ME 04333-0022
207-287-2631
800-452-8711 (call to obtain appropriate LURC
of fice)
Fax # 207-287-7439

45 Radar Road
Ashland,ME 04732-3600
207-435-7963
Fax # 207-435-7184

Lakeview Drive
P.O.Box1107
Greenville, ME 04441
207-695-2466
Fax # 207-695-2380

191 Main Street
EastMillinocket,ME 04430
207-746-2244
Fax # 207-746-2243

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(For CZMDeterminations)

State Planning Office
Coastal Program
184 State Street
State House Station 38
Augusta, Maine 04333
207-287- 1009

*Maine Department of Marine Resources
(For Aquaculture Leases)*
McKown Point
Boothbay Harbor, Maine 04575
207-633-9500

(For Submerged Lands Leases)

Maine Department of Conservation
Bureau of Parks and Lands
22 State House Station
207-287-3061

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A. INLAND WETLANDS (WATERS OF THE U.S.) ¹	CATEGORY I	CATEGORY II	INDIVIDUAL PERMIT
(a) NEW FILL/ EXCAVATION DISCHARGES	<p>Less than 4,300 sf inland waterway and /or wetland fill and secondary impacts (e.g., areas drained, flooded or cleared).</p> <p>-- Includes projects covered by a State Tier One permit with no cumulative impacts over 15,000 sf in inland wetlands from previous permits, unauthorized work, and/or other state permits.</p> <p>-- Includes crossing of perennial waterways designated as Essential Fish Habitat (EFH) for Atlantic salmon² if the waterway is crossed with a span and footprints of the span abutments are outside ordinary high water with no more than 4,300 sf of associated wetland impact.</p> <p>-- Includes in-stream work of up to 4,300 sf of fill below ordinary high water in waterways not designated as EFH for Atlantic salmon² and performed in accordance with Maine Permit By Rule standards or a LURC permit.</p>	<p>4,300 sf to 3 acres inland waterway and/or wetland fill and secondary impacts (e.g., areas drained, flooded or cleared).</p> <p>-- Impact area includes all temporary and permanent fill and excavation except for incidental fallback.</p> <p>-- Includes in-stream work, including crossings (other than a spanned crossing as described in Category I) with any discharge of fill below ordinary high water in perennial waterways designated as EFH for Atlantic salmon².</p> <p>-- Time of year restrictions determined case-by-case.</p>	<p>Greater than 3 acres inland waterway and/or wetland fill and secondary impacts (e.g., areas drained, flooded or cleared).</p> <p>-- Impact area includes all temporary and permanent fill and excavation discharges except for incidental fallback³.</p> <p>In-stream work exceeding Category II limits.</p> <p>If EIS required by the Corps.</p>

¹ Water of the U.S. in inland areas: inland rivers, streams, lakes, ponds and wetlands.

² Essential Fish Habitat for Atlantic salmon includes all aquatic habitats in the watersheds of the following rivers and streams, including all tributaries to the extent that they are currently or were historically accessible for salmon migration: St. Croix, Boyden, Dennys, Hobart Stream, Aroostook, East Machias, Machias, Pleasant, Narraguagus, Tunk stream, Patten Stream, Orland, Penobscot, Passagassawaukeag, Union, Ducktrap, Sheepscot, Kennebec, Androscoggin, Presumpscot and Saco River.

³ The larger the impacts, the more likely an individual permit will be required. Projects involving widening, expansion or impacts to degraded or low value wetlands between 1-3 acres may be approved under Category II, subject to the Federal screening. The Corps recognizes and endorses the DEP Tier 2 upper thresholds of 1 acre. Compensatory mitigation is likely to be required at this level of impact.

	CATEGORY I	CATEGORY II	INDIVIDUAL PERMIT
(a) NEW FILL/ EXCAVATION DISCHARGES	<p>-- Impact area includes all temporary and permanent fill and excavation discharges except for incidental fallback.</p> <p>-- In-stream work limited to July 15 - Oct. 1.</p> <p>-- This category excludes situations when a vernal pool of any size may be impacted, in accordance with the ME DEP definition of vernal pool⁴</p> <p>-- This category excludes work within ¼ mile or a Wild and Scenic River⁵</p> <p>-- This category excludes dams, dikes, or activities involving water withdrawal or water diversion.</p> <p>-- This category excludes work in National Wildlife Refuges.</p>	Proactive restoration projects with any amount of impact can be reviewed under Category II. The Corps, in consultation with State and Federal agencies, must determine that net adverse effects are not more than minimal.	
(b) BANK STABILIZATION PROJECTS	<p>Inland bank stabilization less than 500 ft. long and less than 1 cy fill per linear foot below ordinary high water in ponds, lakes, and waterway not designated as EFH for Atlantic salmon², provided there is no wetland fill.</p> <p>-- In-stream work limited to July 15 - Oct. 1.</p>	<p>Inland bank stabilization in ponds, lakes, and waterways not designated as EFH for Atlantic salmon² which exceeds Category I limits.</p> <p>Inland bank stabilization of any size below ordinary high water in waterways designed as EFH for Atlantic salmon².</p> <p>-- Other stabilization exceeding Category I.</p>	
(C) REPAIR AND MAINTENANCE OF AUTHORIZED FILLS	Repair or maintenance of existing, currently serviceable, authorized fills with no substantial expansion or change in use.	Replacement of non-serviceable fills, or repair or maintenance of serviceable fills with expansion of any amount up to 1 acre, or with a change in use.	Replacement of non-serviceable fills, or repair or maintenance of serviceable fills with greater than 1 acre of expansion.

⁴ Vernal Pool: Naturally-occurring, or intentionally created for the purposes of compensatory mitigation, temporary to permanent bodies of water occurring in shallow depressions that fill during the spring and fall and may dry during the summer. Vernal pools have no permanent or viable populations of predatory fish. Vernal pools provide the primary breeding habitat for wood frogs, spotted salamanders, blue-spotted salamanders, and fairy shrimp, and provide habitat for other wildlife including several endangered and threatened species.

⁵ National Wild/Scenic Rivers System (Designated River in Maine): Allagash River beginning at Telos Dam continuing to Allagash checkpoint at Eliza Hole Rapids, approximately 3 miles upstream of the confluence with the St. John River. Length = 92 miles.

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B. TIDAL WATERS AND NAVIGABLE WATERS ⁶	CATEGORY I	CATEGORY II	INDIVIDUAL PERMIT
(a) FILL		Up to 1 acre waterway or wetland fill and secondary impacts (e.g., areas drained, flooded or cleared). Includes temporary and permanent waterway fill. -- Temporary tidal marsh impacts up to 1 acre. -- Permanent tidal marsh, mudflat, or vegetated shallows 7 fill up to 1,000 sf. -- Proactive restoration projects with any amount of impact can be reviewed under Cat. II. The Corps, in consultation with State and Federal agencies, must determine that net adverse effects are not more than minimal.	Greater than 1 acre waterway fill and secondary impacts (e.g., areas drained, flooded or cleared). Includes -- Temporary tidal marsh impacts over 1 acre. -- Permanent tidal marsh, mudflat, or vegetated shallows 7 fill over 1,000 sf.
(b) REPAIR AND MAINTENANCE WORK	Repair or maintenance of existing, currently serviceable, authorized structure or fills with no substantial expansion or change in use. -- Work must be in same footprint as original structure or fill	Repair or replacement of any non-serviceable structures or fill, or repair or maintenance of serviceable fills with expansion of any amount up to 1 acre, or with a change in use.	Replacement of non-serviceable structures or fill or repair or maintenance of serviceable structure or fill with expansion greater than 1 acre.

6 Navigable Waters: waters that are subject to the ebb and flow of the tide and Federally designated navigable waters (Penobscott River to Medway, Kennebec River to Moosehead Lake, and the portion of Umbagog Lake in Maine).

7 Vegetated Shallows: subtidal areas that support rooted aquatic vegetation such as eelgrass.

	CATEGORY I	CATEGORY II	INDIVIDUAL PERMIT
(c) DREDGING	Maintenance dredging of less than 1,000 cy with upland disposal. -- Proper siltation controls used -- Limited to work between November 1 and January 15. -- No impact to special aquatic sites ⁸	Maintenance dredging of greater than 1,000 cy, new dredging of up to 25,000 cy, or projects that do not meet Category I. Disposal includes upland, open water or beach nourishment (above mean high water), only if material is determined suitable.	Maintenance dredging (any amount) in or affecting special aquatic sites ⁷ . See B(a) above for dredge disposal in wetlands or water. New dredging greater than 25,000 cy or any amount in or affecting special aquatic sites ⁷ .
(d) MOORINGS	-- Private, non-commercial, non-rental single boat moorings not associated with any boating facility? ⁹ provided not located in a Federal Navigation Project, there is no interference with navigation, it is not located in vegetated shallows ⁶ , and it is within ¼ mile of the owner's residence or a public access point ¹⁰ . -- Minor relocation or previously authorized mooring and moored floats consistent with Harbormaster recommendations, provided it is also consistent with local regulations, is not located in vegetated shallows, and does not interfere with navigation.	Moorings that do not meet the terms of Category I (e.g., rental or service moorings) and moorings that meet the terms of Category I that are located in a Federal anchorage.	Moorings within the horizontal limits, or with moored vessels that extend, into the horizontal limits of a Federal Navigation Project, except those in Federal anchorages under Category II.

⁸Special Aquatic Sites: include wetlands and salt marsh, mudflats, riffles and pools, and vegetated shallows.

? Boating Facilities: facilities that provide, rent, or sell mooring space, such as marinas, yacht, clubs, boat clubs, boat yards, town facilities, dockominiums, etc.

¹⁰ Cannot be at a remote location to create a convenient transient anchorage.

	CATEGORY I	CATEGORY II	INDIVIDUAL PERMIT
(e) PILE-SUPPORTED STRUCTURES AND FLOATS	Reconfiguration of existing authorized docks, provided structures are not positioned over vegetated shallows or salt marsh and provided floats are supported off substrate at low tide. No dredging, addition slips or expansion allowed.	Private piers and floats for navigational access to waterway (seasonal and permanent).	Structures, piers or floats that extend, or with docked/moored vessels that extend, into the horizontal limits of a Federal Navigation Project. Structures, including piers and floats, associated with a new or previously unauthorized boating facility ⁸ .
(f) MISCELLANEOUS	<ul style="list-style-type: none"> -- Temporary buoys, markers, floats, etc., for recreational use during specific events, provided they are removed within 30 days after use is discontinued. -- Coast Guard approved aids to navigation. -- Oil spill clean-up temporary structures or fill. -- Fish/wildlife harvesting structures/fill (as defined by 33 CFR 330, App. A-4) -- Scientific measurement devices and survey activities such as exploratory drilling, surveying or sampling. -- Shellfish seeding (brushing the flats) projects¹¹. -- Does <u>not</u> include oil or gas exploration and fills for roads or construction pads. -- This category excludes work in National Wildlife Refuges. 	<ul style="list-style-type: none"> -- Structures or work in or affecting tidal or navigable waters that are not defined under any or the previous headings. Includes, but is not limited to, utility lines, aerial transmission lines, pipelines, outfalls, boat ramps, bridge fills/abutments, etc. -- Shellfish/finfish (other than Atlantic salmon), or other aquaculture facilities which are consistent with the Corps revised standard siting requirements and standard permit conditions dated 7/6/94, or as revised. 	If EIS required by Corps.

¹¹ Brushing the flats: the placement of tree boughs, wooden lath structures, or small-mesh fencing on mudflats for the purpose of enhancing recruitment of soft-shell clams (*Mya arenaria*).